

The averages for the various districts, with departures from the normal, are shown in the table below:

Average cloudiness and departures from the normal.

Districts.	Average.	Departure from the normal.	Districts.	Average.	Departure from the normal.
New England	6.0	+1.1	Missouri Valley	2.8	-1.6
Middle Atlantic	5.5	+0.7	Northern Slope	2.6	-1.2
South Atlantic	5.0	0.0	Middle Slope	3.4	-0.6
Florida Peninsula	5.6	+0.6	Southern Slope	4.0	+0.3
East Gulf	5.0	0.0	Southern Plateau	2.9	-0.4
West Gulf	4.4	+0.2	Middle Plateau	2.1	-0.1
Ohio Valley and Tennessee	3.5	-1.1	Northern Plateau	2.0	-1.1
Lower Lake	4.2	-0.8	North Pacific Coast	4.9	+0.5
Upper Lake	5.0	+0.3	Middle Pacific Coast	2.5	-0.4
North Dakota	3.7	-0.6	South Pacific Coast	2.1	-0.6
Upper Mississippi	3.2	-1.1			

HUMIDITY.

Over the area covered by the hot wave and drought, the relative humidity was much below the normal, a condition which contributed much to alleviate the suffering to human and animal life compelled to endure day after day the intense heat that prevailed during the month.

The averages by districts appear in the subjoined table:

Average relative humidity and departures from the normal.

Districts.	Average.	Departure from the normal.	Districts.	Average.	Departure from the normal.
New England	61	+ 2	Missouri Valley	54	-13
Middle Atlantic	77	+ 5	Northern Slope	54	+ 2
South Atlantic	80	0	Middle Slope	50	-11
Florida Peninsula	80	0	Southern Slope	55	-3
East Gulf	75	- 4	Southern Plateau	39	- 3
West Gulf	70	- 3	Middle Plateau	31	- 1
Ohio Valley and Tennessee	65	- 4	Northern Plateau	41	- 6
Lower Lake	70	+ 2	North Pacific Coast	71	- 6
Upper Lake	73	+ 2	Middle Pacific Coast	59	- 8
North Dakota	74	+ 8	South Pacific Coast	63	0
Upper Mississippi	57	-11			

WIND.

The maximum wind velocity at each Weather Bureau station for a period of five minutes is given in Table I, which also gives the altitude of Weather Bureau anemometers above ground.

Following are the velocities of 50 miles and over per hour registered during the month:

Maximum wind velocities.

Stations.	Date.	Velocity.	Direction.	Stations.	Date.	Velocity.	Direction.
Block Island, R. I.	2	52	nw.	Marquette, Mich.	20	68	sw.
Cape Henry, Va	31	70	nw.	Minneapolis, Minn.	28	50	nw.
Chicago, Ill	18	56	se.	Mount Tamalpais, Cal.	15	50	nw.
Cleveland, Ohio	11	51	nw.	Do.	16	62	nw.
Dodge, Kan.	27	56	se.	Do.	21	52	nw.
El Paso, Tex.	1	60	ne.	Do.	28	51	nw.
Do.	18	57	ne.	New York, N. Y.	28	54	nw.
Hatteras, N. C.	10	52	n.	Do.	31	68	sw.
Do.	11	62	w.	San Juan, P. R.	7	52	ne.
Lexington, Ky.	25	50	n.				

ATMOSPHERIC ELECTRICITY.

Numerical statistics relative to auroras and thunderstorms are given in Table IV, which shows the number of stations from which meteorological reports were received, and the number of such stations reporting thunderstorms (T) and auroras (A) in each State and on each day of the month, respectively.

Thunderstorms.—Reports of 7,732 thunderstorms were received during the current month as against 6,376 in 1900 and 6,670 during the preceding month.

The dates on which the number of reports of thunderstorms for the whole country were most numerous were: 17th, 476; 4th, 402; 2d, 379; 29th, 373.

Reports were most numerous from: Missouri, 509; Ohio, 411; New Jersey, 325.

Auroras.—The evenings on which bright moonlight must have interfered with observations of faint auroras are assumed to be the four preceding and following the date of full moon, viz: June 27 to July 5.

In Canada.—Thunderstorms were reported as follows: Halifax, 15; Yarmouth, 17, 18, 22; Charlottetown, 17, 22; Father Point, 4, 16, 21; Quebec, 2, 10, 15, 16, 18, 21; Montreal, 2, 17, 18; Bissett, 1, 18, 20; Ottawa, 7, 17; Kingston, 1, 6, 18, 21; Toronto, 3, 4, 6, 16, 17, 21, 29; White River, 1, 9, 17, 20, 24; Port Stanley, 11, 16, 22, 26, 29; Saugeen, 5, 10, 21; Parry Sound, 1, 5, 27; Port Arthur, 3, 15, 20, 21, 24; Winnipeg, 13; Minnedosa, 13, 14; Qu'Appelle, 2, 3, 4, 10, 12, 13, 14, 16, 17, 18, 24, 25, 26, 27, 28; Medicine Hat, 3, 25, 26, 27, 28; Calgary, 3, 25, 26, 28; Banff, 2, 8, 9, 20, 26, 27; Edmonton, 3, 10, 16, 19, 24, 26; Prince Albert, 19, 23, 24, 25, 26, 27; Battleford, 6, 10, 13, 17, 20, 23; Barkerville, 18; Hamilton, Bermuda, 20.

Auroras were reported as follows: Quebec, 11.

In Cuba and Porto Rico, weather conditions were generally favorable for the sowing, growth, and harvesting of the various crops.

DESCRIPTION OF TABLES AND CHARTS.

By ALFRED J. HENRY, Professor of Meteorology.

Table I gives, for about 145 Weather Bureau stations making two observations daily and for about 25 others making only one observation, the data ordinarily needed for climatological studies, viz, the monthly mean pressure, the monthly means and extremes of temperature, the average conditions as to moisture, cloudiness, movement of the wind, and the departures from normals in the case of pressure, temperature, and precipitation, the total depth of snowfall, and the mean wet-bulb temperatures. The altitudes of the instruments above ground are also given.

Table II gives, for about 2,700 stations occupied by volun-

tary observers, the highest maximum and the lowest minimum temperatures, the mean temperature deduced from the average of all the daily maxima and minima, or other readings, as indicated by the numeral following the name of the station; the total monthly precipitation, and the total depth in inches of any snow that may have fallen. When the spaces in the snow column are left blank it indicates that no snow has fallen, but when it is possible that there may have been snow of which no record has been made, that fact is indicated by leaders, thus (. . .).

Table III gives, for all stations that make observations at

8 a. m. and 8 p. m., the four component directions and the resultant directions based on these two observations only and without considering the velocity of the wind. The total movement for the whole month, as read from the dial of the Robinson anemometer, is given for each station in Table I. By adding the four components for the stations comprised in any geographical division the average resultant direction for that division can be obtained.

Table IV gives the total number of stations in each State from which meteorological reports of any kind have been received, and the number of such stations reporting thunderstorms (T) and auroras (A) on each day of the current month.

Table V gives a record of rains whose intensity at some period of the storm's continuance equaled or exceeded the following rates:

Duration, minutes..	5	10	15	20	25	30	35	40	45	50	60	80	100	120
Rates pr. hr. (ins.)..	8.00	1.80	1.40	1.20	1.08	1.00	0.94	0.90	0.88	0.84	0.75	0.60	0.54	0.50

In the northern part of the United States, especially in the colder months of the year, rains of the intensities shown in the above table seldom occur. In all cases where no storm of sufficient intensity to entitle it to a place in the full table has occurred, the greatest rainfall of any single storm has been given, also the greatest hourly fall during that storm.

Table VI gives, for about 30 stations furnished by the Canadian Meteorological Service, Prof. R. F. Stupart, director, the means of pressure and temperature, total precipitation and depth of snowfall, and the respective departures from normal values, except in the case of snowfall.

Table VII gives the heights of rivers referred to zeros of gages.

NOTES EXPLANATORY OF THE CHARTS.

Chart I, tracks of centers of high areas, and Chart II, tracks of centers of low areas, are constructed in the same way. The roman numerals show number and chronological

order of highs (Chart I) and lows (Chart II). The figures within the circles show the days of the month; the letters *a* and *p* indicate, respectively, the 8 a. m. and 8 p. m., seventy-fifth meridian time, observations. Within each circle is also given (Chart I) the highest barometric reading and (Chart II) the lowest pressure at or near the center at that time.

Chart III.—Total precipitation. The scale of shades showing the depth of rainfall is given on the chart itself. For isolated stations the rainfall is given in inches and tenths, when appreciable; otherwise, a "trace" is indicated by a capital T, and no rain at all, by 0.0.

Chart IV.—Sea-level pressure, temperature, and resultant surface winds. The wind directions on this Chart are the computed resultants of observations at 8 a. m. and 8 p. m., daily; the resultant duration is shown by figures attached to each arrow. The temperatures are the means of daily maxima and minima and are reduced to sea level. The pressures are the means of 8 a. m. and 8 p. m. observations, daily, and are reduced to sea level and to standard gravity. The reduction for 30 inches of the mercurial barometer, as formerly shown by the marginal figures for each degree of latitude, has already been applied.

Chart V.—Hydrographs for seven principal rivers of the United States.

Chart VI.—Surface temperatures; maximum, minimum, and mean. Lines of equal monthly mean temperature in red; lines of equal maximum temperature in black; and lines of equal minimum temperature (dotted) also in black.

Chart VII.—Percentage of sunshine. The average cloudiness at each Weather Bureau station is determined by numerous personal observations during the day. The difference between the observed cloudiness and 100, it is assumed, represents the percentage of sunshine, and the values thus obtained have been used in preparing Chart VII.

Chart VIII.—West Indian monthly isobars, isotherms, and resultant winds.

Chart IX.—Maximum surface temperatures, July, 1901.

TABLE I.—Climatological data for Weather Bureau Stations, July, 1901.

Stations.	Elevation of instruments.		Pressure, in inches.			Temperature of the air, in degrees Fahrenheit.						Precipitation, in inches.			Wind.												
	Barometer above sea level, feet.		Thermometers above ground.			Mean actual, 8 a.m. + 8 p.m. + 2.			Mean maximum + mean minimum + 2.			Mean maximum.			Mean minimum.			Total.			Miles per hour.						
	Barometer above sea level, feet.		Anerometer above ground.			Mean reduced.			Departure from normal.			Maximum.			Minimum.			Greatest daily range.			Days with 0.1 or more.			Direction.			
New England.																											
Eastport	76	89	74	29.84	29.98	+ .01	69.7	+ 1.9	69.6	+ 2.2	69.6	+ 1.1	98	+ 2.8	46	+ 2.5	59	+ 0.4	3.02	s.w.	26	n.w.	21	no	10	12	6.0
Portland, Me.	103	91	117	29.80	29.90	- .03	69.6	+ 2.9	68.0	+ 2.9	68.0	+ 2.1	94	+ 16	42	+ 27	56	+ 0.6	4.85	s.s.	35	n.	18	no	12	15	6.6
Northfield	876	15	65	29.03	29.94	- .00	68.0	+ 2.9	68.0	+ 2.9	68.0	+ 2.1	94	+ 16	61	+ 27	64	+ 0.6	4.86	s.s.	38	n.	18	no	14	12	6.8
Boston	125	115	181	29.81	29.94	+ .01	73.4	+ 2.1	73.4	+ 2.1	73.4	+ 1.6	86	+ 1	53	+ 25	63	+ 0.6	5.20	s.w.	24	w.	20	no	14	12	5.6
Nantucket	12	43	85	29.95	29.96	- .00	68.8	+ 1.6	68.8	+ 1.6	68.8	+ 0.9	86	+ 1	53	+ 25	64	+ 0.6	1.16	s.w.	20	w.n.	52	no	14	12	6.8
Block Island	26	11	70	29.94	29.97	+ .01	69.3	+ 1.6	69.3	+ 1.6	69.3	+ 1.0	98	+ 1	53	+ 25	64	+ 0.6	1.94	s.w.	10	n.w.	11	no	9	24	6.1
Narragansett	10	—	—	—	—	—	71.6	+ 1.6	71.6	+ 1.6	71.6	+ 1.0	98	+ 1	53	+ 25	64	+ 0.6	2.15	s.w.	...	...	21	no	8	7	7
New Haven.	106	117	140	29.84	29.95	- .01	74.8	+ 2.5	74.8	+ 2.5	74.8	+ 2.5	97	+ 2	82	+ 27	66	+ 0.6	4.40	s.w.	32	w.	22	no	11	11	4.8
Mid. Atlan. States.																											
Albany	97	84	113	29.84	29.95	+ .03	75.8	+ 3.4	75.8	+ 3.4	75.8	+ 2.8	98	+ 21	52	+ 27	66	+ 0.6	4.26	s.w.	26	n.	17	no	9	16	6.4
Binghamton	875	79	120	29.80	29.96	- .01	78.4	+ 5.5	78.4	+ 5.5	78.4	+ 4.6	99	+ 21	52	+ 27	71	+ 0.6	3.47	s.w.	27	n.	31	no	8	16	7.5
New York	314	108	250	29.63	29.96	- .01	78.1	+ 4.6	78.1	+ 4.6	78.1	+ 3.1	98	+ 21	52	+ 27	71	+ 0.6	5.48	s.w.	25	n.	31	no	14	12	6.8
Harrisburg	874	94	104	—	—	—	78.5	+ 5.6	78.5	+ 5.6	78.5	+ 4.0	100	+ 2	52	+ 27	70	+ 0.6	5.20	s.w.	24	w.	20	no	14	12	5.8
Philadelphia	117	168	184	29.85	29.97	- .01	79.2	+ 3.5	79.2	+ 3.5	79.2	+ 2.8	103	+ 2	52	+ 27	71	+ 0.6	4.88	s.w.	22	n.w.	29	no	7	11	6.5
Soronto	803	111	119	29.19	29.96	- .00	76.0	—	76.0	—	76.0	—	98	—	54	—	66	—	4.12	s.w.	20	n.w.	29	no	7	11	6.9
Atlantic City	53	68	76	29.91	29.96	- .00	75.4	+ 8.5	75.4	+ 8.5	75.4	+ 7.8	98	+ 2	52	+ 27	70	+ 0.6	5.90	s.w.	18	n.w.	26	no	8	17	6.3
Cape May	17	47	51	29.98	29.98	+ .01	75.6	+ 2.0	75.6	+ 2.0	75.6	+ 1.3	94	+ 2	52	+ 27	69	+ 0.6	3.26	s.w.	30	w.	6	7	16	7	5.1
Baltimore	123	68	85	29.83	29.95	- .01	80.4	+ 3.2	80.4	+ 3.2	80.4	+ 2.5	103	+ 1	52	+ 27	73	+ 0.6	6.18	s.w.	24	e.	7	6	10	5.6	
Washington	112	59	76	29.85	29.96	- .01	79.8	+ 3.0	79.8	+ 3.0	79.8	+ 2.3	103	+ 1	52	+ 27	70	+ 0.6	5.17	s.w.	28	n.w.	30	no	8	12	7.4
Cape Henry	681	88	88	29.26	29.96	- .02	80.0	+ 2.5	80.0	+ 2.5	80.0	+ 1.8	97	+ 1	52	+ 27	73	+ 0.6	4.06	s.w.	24	n.w.	31	no	9	11	6.0
Lynchburg	91	102	111	29.89	29.96	- .01	81.0	+ 2.5	81.0	+ 2.5	81.0	+ 1.8	100	+ 1	52	+ 27	74	+ 0.6	3.15	s.w.	36	w.	8	14	7	10	5.0
Norfolk	144	88	90	—	—	—	81.0	—	81.0	—	81.0	—	98	—	52	—	72	—	5.06	s.w.	26	w.	6	10	11	10	5.5
Richmond.																											
S. Atlantic States.																											
Charlotte	773	68	76	29.19	29.98	- .02	80.0	+ 1.8	80.0	+ 1.8	80.0	+ 1.1	98	+ 20	52	+ 27	71	+ 0.6	6.78	s.w.	30	w.	15	15	7	9	4.8
Hatteras	11	17	36	29.90	30.00	- .00	78.9	+ 1.0	78.9	+ 1.0	78.9	+ 0.3	98	+ 21	52	+ 27	70	+ 0.6	8.17	s.w.	63	w.	11	17	8	6	3.9
Kittyhawk	8	12	30	—	—	—	81.4	+ 3.4	81.4	+ 3.4	81.4	+ 2.7	98	+ 21	52	+ 27	70	+ 0.6	8.40	s.w.	26	w.	21	no	8	15	6.7
Raleigh	376	93	101	29.61	29.99	- .02	80.3	+ 3.1	80.3	+ 3.1	80.3	+ 2.4	98	+ 21	52	+ 27	71	+ 0.6	10.743	s.w.	..	..	18	8	15	8	5.2
Wilmington	78	89	90	29.92	30.00	- .00	79.6	+ 0.1	79.6	+ 0.1	79.6	+ 0.1	98	+ 21	52	+ 27	71	+ 0.6	4.295	s.w.	24	e.	18	8	15	12	5.3
Charleston	48	14	12	29.97	30.02	+ .03	81.2	+ 0.6	81.2	+ 0.6	81.2	+ 0.1	100	+ 21	52	+ 27	71	+ 0.6	6.25	s.w.	30	s.	18	12	8	15	5.9
Columbia	251	114	123	29.65	30.01	+ .01	81.8	+ 1.2	81.8	+ 1.2	81.8	+ 0.5	98	+ 21	52	+ 27	71	+ 0.6	5.83	s.w.	36	s.	14	9	21	1	4.8
Augusta	180	89	99	29.81	29.96	- .00	82.2	+ 0.5	82.2	+ 0.5	82.2	+ 0.1	98	+ 21	52	+ 27	71	+ 0.6	9.009	s.w.	26	s.	14	11	9	15	5.4
Savannah	65	79	89	29.95	30.01	- .01	81.4	+ 0.5	81.4	+ 0.5	81.4	+ 0.1	98	+ 21	52	+ 27	71	+ 0.6	9.701	s.w.	24	n.w.	16	10	16	5	5.1
Jacksonville	43	69	84	29.97	30.02	+ .01	82.6	+ 0.6	82.6	+ 0.6	82.6	+ 0.1	98	+ 21	52	+ 27	71	+ 0.6	5.421	s.e.	36	s.	12	10	9	10	5.6
Florida Peninsula.																											
Jupiter	28	13	55	29.97	30.00	- .02	81.2	+ 0.4	81.2	+ 0.4	81.2	+ 0.1	98	+ 21	52	+ 27	71	+ 0.6	6.814	s.e.	30	s.e.	4	2	19	8	5.0
Key West	28	45	50	29.95	30.00	- .02	81.4	+ 2.5	81.4	+ 2.5	81.4	+ 1.8	98	+ 21	52	+ 27	71	+ 0.6	6.181	s.e.	25	s.e.	4	1	28	7	6.6
Tampa	34	60	67	29.96	30.00	- .02	81.8	+ 0.4	81.8	+ 0.4	81.8	+ 0.1	98	+ 21	52	+ 27	71	+ 0.6	8.407	s.e.	4	s.	1	1	28	7	6.6
East Gulf States.																											
Atlanta	1,174	189	156	28.80	30.00	- .04	80.4	+ 2.0	80.4	+ 2.0	80.4	+ 1.3	98	+ 21	52	+ 27	71	+ 0.6	5.017	n.w.	37	n.	26	14	14	3	4.4
Macon	870	93	99	—	—	—	82.3	—	82.3	—	82.3	—	101	+ 12	52	+ 27	71	+ 0.6	5.723	s.e.	45	s.	15	7	14	10	5.8
Pensacola	56	78	90	—	—	—	82.3	+ 1.5	82.3	+ 1.5	82.3	+ 1.0	103	+ 12	52	+ 27	71	+ 0.6	6.74	s.e.	32	n.	15	7	14	10	5.8
Mobile	57	88	96	29.98	29.99	- .01	82.8	+ 1.0	82.8	+ 1.0	82.8	+ 0.5	103	+ 12	52	+ 27	71	+ 0.6	8.935	s.e.	30	s.	17	13	8	15	4.7
Montgomery	220	100	112	29.76	29.99	- .02	82.8	+ 1.8	82.8	+ 1.8	82.8	+ 1.3	103	+ 12	52	+ 27	71	+ 0.6	8.935	s.e.	30	s.	17	13	8	15	4.7
Meridian	375	84	93	—	—	—	81.5	+ 1.5	81.5	+ 1.5	81.5	+ 1.0	104	+ 12	52	+ 27	71	+ 0.6	9.040	s.e.	48	n.w.	15	15	11	11	3.7
Vicksburg	247	65	76	29.71	29.97	- .03	82.2	+ 0.9	82.2	+ 0.9	82.2	+ 0.4	103	+ 12	52	+ 27	71	+ 0.6	8.527	s.e.	28	w.	10	16	13	12	3.7
New Orleans	51	88	121	29.92	29.98</td																						

TABLE I.—Climatological data for Weather Bureau Stations, July, 1901—Continued.

Stations.	Elevation of instruments		Temperature of the air, in degrees Fahrenheit.										Precipitation, in inches.		Wind.			Cloudy days.		Average cloudiness, tenths.		Total snowfall.		
	Barometer above sea level, feet.		Pressure, in inches.		Mean max. + 2°					Mean min. - 2°					Mean wet thermometer.		Days with 0.1 or more.		Total movement, miles.		Maximum velocity.			
	Thermometer above ground.	Anemometer above ground.	Mean actual, 8 a.m. + 8 p.m. + 2°.	Mean reduced.	Departure from normal.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.	Date.	Mean relative humidity, per cent.	Total.	Departure from normal.	Days with 0.1 or more.	Total.	Miles per hour.	Direction.	Date.	Clear days.			
<i>Upper Mis. Valley.</i>																								
Minneapolis	99	206	29.01	29.88	-0.07	77.4	82.5	7.3	80.8	88	84	86	57	2.41	-1.3	7	8,716	n.e.	50	n.w.	28	3.2		
St. Paul	837	114	124	29.01	29.88	-0.07	78.0	82.5	6.5	104	90	80	68	1.84	-2.2	8	5,387	s.e.	36	n.w.	10	4.5		
La Crosse	714	70	75	29.28	29.91	-0.07	79.2	82.5	6.3	104	94	83	68	5.49	+ 2.4	12	4,716	s.	38	w.	15	3.3		
Davenport	606	71	79	29.28	29.91	-0.05	83.0	82.5	8.0	106	95	95	57	1.45	-2.2	5	5,151	s.	26	w.	1	1.9		
Des Moines	861	84	88	29.02	29.91	-0.05	84.0	82.5	9.5	109	95	95	59	5.39	+ 2.4	5	5,109	s.w.	32	s.w.	4	3.5		
Dubuque	698	101	109	29.19	29.91	-0.05	82.2	82.5	7.9	106	91	94	54	2.31	-2.0	5	5,585	s.e.	39	d.w.	24	3.1		
Keokuk	614	63	75	29.28	29.91	-0.05	85.1	82.5	8.2	108	92	92	70	3.72	-2.1	5	4,879	s.w.	24	d.w.	8	1.9		
Cairo	256	87	93	29.60	29.91	-0.05	88.4	82.5	4.5	106	93	92	68	2.03	+ 1.1	3	4,060	s.	34	s.	11	3.0		
Springfield, Ill.	644	89	93	29.30	29.91	-0.05	82.8	82.5	6.8	107	93	95	56	4.57	+ 2.3	5	5,798	s.w.	39	d.w.	30	3.7		
Hannibal	554	75	110	29.30	29.91	-0.05	84.8	82.5	8.1	108	94	95	68	0.58	+ 2.3	5	6,028	s.w.	36	s.w.	27	3.1		
St. Louis	567	111	210	29.36	29.94	-0.08	87.4	82.5	8.6	107	94	95	68	1.95	+ 1.9	7	6,028	s.	38	d.w.	17	16		
<i>Missouri Valley.</i>																								
Columbus	784	4	84	28.94	29.90	-0.05	87.1	82.5	9.6	106	98	98	67	2.74	-1.7	7	4,702	s.	34	n.e.	16	3.6		
Kansas City	963	78	95	28.94	29.90	-0.05	83.9	82.5	8.2	106	95	95	67	2.75	-1.4	5	5,456	s.	30	s.e.	4	3.1		
Springfield, Mo.	1,324	100	103	28.59	29.93	-0.08	86.6	82.5	9.2	106	94	95	67	1.69	-3.1	6	5,940	s.	25	s.e.	20	2.5		
Topeka	81	—	—	—	—	—	85.4	82.5	8.6	105	94	95	68	4.10	-1.0	9	—	s.	—	—	—	—		
Lincoln	1,189	75	84	28.63	29.88	-0.11	85.4	82.5	8.6	105	98	98	67	2.94	-1.7	7	4,461	s.e.	48	w.	27	2.9		
Omaha	1,105	115	121	28.73	29.85	-0.09	85.1	82.5	8.9	105	94	95	67	2.98	-1.8	8	5,068	s.e.	32	s.w.	16	2.4		
Valentine	8,598	89	40	27.23	29.81	-0.18	79.4	82.5	6.1	104	92	93	60	2.88	-0.1	10	7,634	s.	26	s.w.	8	1.3		
Sioux City	1,185	96	164	—	—	—	82.6	82.5	8.8	106	91	95	58	1.24	-3.0	6	4,452	s.e.	38	d.w.	2	2.3		
Pierre	1,572	48	50	29.21	29.79	-0.12	82.5	82.5	7.9	108	92	95	60	1.76	-0.4	10	7,148	s.e.	49	d.w.	4	2.1		
Huron	1,806	56	57	28.50	29.84	-0.10	82.6	82.5	9.0	104	92	95	60	0.84	-3.0	4	8,289	s.e.	47	s.w.	10	2.7		
Yankton	1,238	52	58	—	—	—	74.3	82.5	4.9	104	92	95	60	0.84	-3.0	4	8,024	s.w.	36	n.	28	2.5		
<i>Northern Slope.</i>																								
Havre	2,505	46	47	27.28	29.82	-0.06	70.9	74.3	8.4	97	18	85	42	1.74	+ 0.1	8	5,723	n.e.	44	n.w.	10	2.5		
Miles City	8,371	43	50	27.86	29.74	-0.15	78.4	74.3	4.7	111	31	98	43	1.74	+ 0.5	8	5,723	n.	—	—	23	1.4		
Helena	4,110	88	93	25.76	29.81	-0.10	70.8	74.3	3.6	97	31	84	40	0.40	-0.7	6	5,586	s.w.	38	s.	9	3.8		
Kalispell	2,965	45	51	26.87	29.88	-0.04	64.4	74.3	8.4	100	21	80	33	1.73	-1.4	6	5,675	s.	26	s.	27	3.7		
Rapid City	3,224	46	50	26.56	29.76	-0.14	76.3	74.3	5.0	101	19	90	53	0.84	-2.2	7	4,406	w.	24	s.w.	8	3.8		
Cheyenne	6,098	56	64	24.07	29.79	-0.08	72.5	74.3	5.7	108	20	95	60	1.24	-3.0	6	5,644	s.e.	34	d.w.	2	2.8		
Lander	5,372	28	38	24.66	29.84	-0.07	71.5	74.3	5.5	104	29	98	44	0.84	-0.4	6	6,095	s.	36	s.	23	2.7		
North Platte	2,821	43	53	27.08	29.83	-0.08	81.0	74.3	7.5	103	20	95	57	0.84	-3.0	3	6,166	s.e.	36	w.	10	3.0		
<i>Middle Slope.</i>																								
Denver	6,291	79	151	24.76	29.82	-0.08	75.6	82.5	4.9	99	8	92	55	2.01	-1.7	1	5,860	s.w.	38	n.	27	2.9		
Pueblo	4,685	80	86	25.39	29.83	-0.04	77.2	82.5	3.2	100	51	96	59	1.04	+ 2.2	8	5,860	s.e.	45	n.w.	2	3.8		
Concordia	1,398	42	47	28.45	29.86	-0.07	85.8	82.5	8.7	104	24	100	60	6	5,675	s.	26	s.	27	3.7				
Dodge	2,509	44	52	27.36	29.84	-0.05	83.4	82.5	4.8	104	4	96	61	1.73	-0.7	6	4,253	s.e.	56	s.e.	27	1.8		
Wichita	1,358	78	85	23.53	29.89	-0.02	84.9	82.5	5.9	102	5	96	66	0.83	+ 4.4	7	5,503	s.	24	s.	21	2.1		
Oklahoma	1,314	54	63	28.66	29.90	-0.02	84.9	82.5	5.9	102	10	74	38	0.82	-3.8	1	6,318	s.	35	s.	12	1.4		
<i>Southern Slope.</i>																								
Abilene	1,738	45	54	28.14	29.89	-0.04	84.6	82.5	1.9	101	6	95	67	10	74	38	68	51	0.92	-1.0	3.4			
Amarillo	8,676	54	61	26.27	29.88	-0.04	77.2	82.5	1.2	96	6	93	62	10	66	30	57	51	0.56	-0.6	3.9			
<i>Southern Plateau.</i>																								
El Paso	8,762	10	110	26.13	29.82	-0.01	81.1	82.5	-0.8	100	5	93	64	11	69	31	64	50	1.05	-1.0	6.8			
Santa Fe	7,013	47	50	23.36	29.90	-0.01	69.9	82.5	1.4	97	3	80	53	13	59	39	51	50	1.37	-0.6	4.8			
Flagstaff	6,907	12	25	23.40	29.82	-0.01	69.4	82.5	1.4	91	19	84	42	5	54	47	55	41	0.37	+ 0.6	4.8			
Phoenix	1,108	47	57	28.58	29.89	-0.08	82.9	82.5	3.0	112	9	106	72	5	80	38	68	54	0.35	-0.5	3.8			
Yuma	141	16	50	29.53	29.87	-0.10	91.8	82.5	0.3	114	9	105	71	2	78	35	71	61	0.37	+ 0.6	2.0			
Independence	8,910	51	56	25.88	29.88	-0.10	80.2	82.5	0.1	99	26	94	3	66	36	56	41	0.20	-0.2	1.7				
<i>Middle Plateau.</i>																								
Carson City	4,720	88	93	25.24	29.85	-0.02	69.4	82.5	1.4	97	30	85	41	4	54	46	53	41	0.03	+ 0.2	1.4			
Winnebago	4,344	59	70	25.54	29.87	-0.03	71.6	82.5	0.2	99	20	90	37	3	53	55	50	41	0.20	+ 0.2	1.6			
Modena	5,479	10	38	24.60	29.85	-0.10	74.0	82.5	0.0	100	26	92	46	1	60	56	50	33	0.33	-0.2	1.5			
Salt Lake City	4,366	106	110	25.54	29.75	-0.10	80.2	82.5	4.7	101	18	94	45	0	57	67	59	39	0.31	-0.2	2.6			
Grand Junction	4,608	50	53	23.30	29.75	-0.10	72.0	82.5	2.6	103	20	93	40	5	66	40	58	34	0.23	-0.1	2.4			
<i>N. Pac. Coast Reg.</i>																								
Neah Bay	50	7	52	30.00	30.05	-0.02	65.5	82.5	0.5	93	30	81	38	4										

TABLE II.—*Climatological record of voluntary and other cooperating observers, July, 1901.*

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
<i>Alabama.</i>																	
Ashville.....	108	65	81.7	2.51	Ins.	Arizona—Cont'd.	°	°	°	Ins.	Ins.	<i>California—Cont'd.</i>	°	°	°	Ins.	Ins.
Benton.....	108	66	82.4	2.48		Signal.....	117	56	92.0	T.		Elmdale.....	114	48	77.1	T.	
Bermuda.....	108	67	83.4	4.12		Silverking.....	117	56	92.0	4.79		Elsinore.....	108	51	78.0	0.00	
Birmingham.....	104	64	83.1	5.84		Strawberry.....	98	87	71.4	2.96		Escondido.....	102	45	74.3	T.	
Burkville.....	.....	.....	1.11	.....		Supai.....	112	65	86.4	0.50		Fallbrook.....	98	48	73.0	0.00	
Calera.....	.....	.....	2.54	.....		Taylor.....	97	46	72.1	1.29		Folsom City*1	105	61	75.2	T.	
Camp Hill.....	108	66	83.2	3.42		Tombstone.....	108	68	81.1	3.23		Fordyce Dam.....	.....	.....	.....	0.00	
Citronelle.....	108	69	82.4	7.46		Tonto.....	118	62	87.4	2.08		Fort Ross.....	75	42	57.0	0.00	
Clanton.....	100	63	80.2	4.55		Truxton.....	104	57	83.2	0.51		Georgetown.....	100	46	75.7	T.	
Cordova.....	105	66	83.1	2.98		Tuba.....	101	56	82.6	0.45		Gilroy (near).....	99	38	66.2	0.00	
Daphne.....	104*	68*	83.26	6.80		Tucson.....	108	66	87.3	2.57		Greenville.....	99	30	64.4	0.00	
Decatur.....	107	60	84.5	0.72		Vail*1.....	105	71	88.6	1.65		Hanford.....	106	50	73.2	T.	
Demopolis.....	.....	.....	2.67	.....		Walnut Grove.....	.....	.....	.....	0.05		Healdsburg.....	100	37	66.2	T.	
Eufaula.....	108	67	82.9	3.08		Willcox*1.....	108	70	84.9	1.18		Hollister.....	98	38	68.4	0.00	
Eutaw.....	108	68	84.0	3.26		Yarnell.....	.....	.....	.....	2.28		Humboldt L. H.	.....	.....	.....	0.05	
Evergreen.....	105	68	82.8	4.53		<i>Arkansas.</i>						Idylwild.....	113	82	96.8	0.00	
Flomaton.....	104	67	81.7	.....		Amity.....	106	55	81.9	4.90		Indio*1.....	113	82	96.8	0.00	
Florence*1.....	.....	.....	0.84	.....		Arkadelphia.....	.....	.....	.....	8.28		Iowa Hill*1.....	92	58	74.2	T.	
Fort Deposit.....	104	69	82.8	1.60		Arkansas City.....	.....	.....	.....	0.10		Irvine.....	96	60	73.2	T.	
Gadsden.....	106	59	82.7	1.44		Batesville.....	111	57	84.8	0.10		Jackson.....	97	40	74.1	T.	
Goodwater.....	101	63	80.4	6.14		Beetbranch.....	108	55	84.0	2.60		Jolon.....	104	.....	.....	.....
Greensboro.....	105	66	83.0	3.09		Blanchard Springs.....	106	62	88.2	5.28		Kennedy Gold Mine.....	97	40	73.0	0.00	
Greenville.....	.....	.....	4.01	.....		Brinkley.....	110	55	84.4	0.94		Kernville.....	.....	.....	.....	0.00	
Healing Springs.....	107	66	83.0	1.73		Camden*1.....	.....	.....	.....	3.80		King City.....	.....	.....	.....	0.00	
Helena.....	.....	.....	2.10	.....		Camden b.....	105	65	84.8	4.69		Laguna Valley.....	.....	.....	.....	1.01	
Highland Home.....	108	68	79.6	4.80		Conway.....	111	52	85.8	0.89		Lamesa.....	.....	.....	.....	T.	
Letohatchee.....	.....	.....	1.04	.....		Dardanelle.....	107	58	83.9	4.96		Laporte*1.....	90	41	61.9	T.	
Livingston*1.....	105	61	86.6	2.27		Dutton.....	104	59	79.8	2.91		Legrand.....	109	50	79.8	T.	
Lock No. 4.....	104	58	81.2	3.79		Elon.....	108	53	81.8	4.89		Lemoncoke.....	108	50	82.2	0.00	
Madison Station.....	104	58	82.2	1.87		Fayetteville.....	106	60	88.3	1.50		Lick Observatory.....	87	46	70.1	0.00	
Maplegrove.....	104	56	81.6	1.82		Forrest City.....	108	64	85.0	0.49		Lodi.....	101	47	73.7	0.00	
Marion.....	102	68	81.2	1.31		Fulton.....	.....	.....	.....	4.40		Los Gatos b.....	94	43	65.5	T.	
Mount Willing.....	104	67	83.2	4.91		Hardy.....	109	60	84.6	2.00		Mammoth*1.....	115	80	97.0	0.00	
Newbern.....	104	68	84.0	2.14		Helena a.....	.....	.....	.....	0.68		Manzana.....	102	60	84.2	0.00	
Newburg.....	103	60	82.1	3.94		Helena b.....	108	60	88.8	0.56		Marie Island L. H.	108	46	80.4	T.	
Notasulga.....	.....	.....	0.95	.....		Hot Springs b.....	116	60	87.8	5.97		Mills College.....	.....	.....	.....	0.00	
Oneonta.....	99	60	78.8	4.24		Jonesboro.....	116	60	87.6	2.95		Milo.....	.....	.....	.....	T.	
Opelika.....	99	62	78.6	3.45		Keesee Ferry.....	110	55	84.4	1.55		Milave (near).....	102	48	77.6	T.	
Oxanna.....	98	60	80.0	5.18		Lacrosse.....	110	60	85.6	3.80		Mohave*1.....	108	70	85.2	0.00	
Pineapple.....	105	64	83.2	1.65		Lonoke.....	108	58	88.4	2.18		Mokelumne Hill*2.....	90	50	79.8	T.	
Prattville.....	108	67	81.8	.....		Lutherville.....	104	58	82.4	2.14		Monterio.....	102	56	79.0	T.	
Pushmataha.....	106	63	82.4	4.29		Malvern.....	110	55	84.4	1.29		Monterey*5.....	82	50	62.3	0.00	
Riverton.....	108	56	81.6	4.72		Marianna.....	106	58	84.4	1.20		Morena.....	.....	.....	.....	0.10	
Scottsboro.....	101	66	81.4	1.01		Marvel.....	110	55	84.4	1.49		Mount St. Helena.....	97	58	78.6	T.	
Seima.....	105	69	83.8	2.11		Mossdale.....	101	61	81.4	2.76		Napa b.....	94	39	64.0	T.	
Talladega.....	108	60	81.8	3.91		Mount Nebo.....	.....	.....	.....	2.40		Needles.....	113	75	97.7	0.00	
Tallassee.....	.....	.....	2.40	.....		Newport a.....	.....	.....	.....	1.04		Nevada City.....	92	38	66.0	T.	
Thomasville.....	105	68	84.0	3.13		Newport b.....	113	56	85.0	0.57		Newhall*1.....	102	60	79.8	0.00	
Tuscaloosa.....	106	61	82.8	2.81		Newport c.....	110	56	89.9	1.10		Niles*1.....	100	56	89.1	T.	
Tuscumbia.....	104	61	84.7	1.07		Oregon.....	108	55	89.4	1.91		North Bloomfield.....	100	40	73.0	T.	
Tuskegee.....	104	64	83.0	2.37		Oceola.....	108	59	84.0	2.16		North Ontario.....	92	52	73.8	0.00	
Union Springs.....	108	69	83.6	2.75		Ozark.....	109	67	86.5	2.29		North San Juan*1.....	97	58	78.6	T.	
Uniontownhead.....	106	69	83.5	5.60		Pinebluff.....	108	57	85.8	0.46		Oakland a.....	81	47	62.3	0.00	
Valleyhead.....	100	58	79.8	8.91		Pocahontas.....	111	56	88.6	0.96		Ogilby*6.....	118	80	101.2	0.00	
Verbena.....	108	56	81.6	5.50		Pond.....	108	50	83.2	0.95		Oleta*1.....	97	54	73.4	0.00	
Wetumpka.....	106	68	84.3	1.96		Prescott.....	111	68	85.3	4.28		Orland*1.....	114	68	89.3	0.00	
<i>Alaska.</i>						Rosedale.....	110	68	85.3	2.88		Palermo.....	109	47	77.9	0.00	
<i>Arizona.</i>						Russellville.....	108	59	85.0	3.01		Palomar Mountain.....	.....	.....	.....	T.	
Allaire Ranch.....	74	35	54.8	0.45		Silversprings.....	106	57	83.2	1.54		Paso Robles.....	106	44	73.8	0.00	
Arizona Canal Co. Dam.....	113	68	92.9	0.79		Spierville.....	108	58	84.6	4.39		Peachland*5.....	90	50	66.8	T.	
Astee*5.....	116	90	108.2	0.00		Stuttgart.....	109	57	84.0	1.36		Piedras Blancas L. H.	.....	.....	.....	0.00	
Bisbee.....	97	58	77.1	3.11		Texarkana.....	108	64	85.3	2.38		Pigeon Point L. H.	.....	.....	.....	0.00	
Buckeye.....	110	64	89.8	T.		Warren.....	108	58	88.6	8.11		Pilot Creek.....	.....	.....	.....	T.	
Casagrande*1.....	112	78	83.4	0.90		Washington.....	108	67	82.6	4.61		Pine Crest.....	87	32	68.8	0.15	
Champie Camp.....	116	64	90.3	1.80		Wiggs.....	107	58	82.2	8.84		Placeria.....	98	40	70.8	0.00	
Cochise*6.....	98	70	85.8	2.65		Winchester.....	108	58	88.8	1.39		Point Ano Nuevo L. H.	.....	.....	.....	0.00	
Congress.....	106	70	88.4	1.27		Winslow.....	99	68	79.8	2.95		Point Arena L. H.	.....	.....	.....	0.00	
Dragoon*1.....	100	65	81.8	2.32		Witts Springs.....	110	58	83.4	1.47		Point Bonita L. H.	.....	.....	.....	0.00	
Duncan.....	108	52	80.6	2.30		<i>California.</i>						Point Conception L. H.	.....	.....	.....	0.00	
Fort Apache.....	103	46	75.2	3.88		Angiola.....	110	46	80.1	0.00		Point Fermin L. H.	.....	.....	.....	0.00	
Fort Defiance.....	97	31	69.2	2.24		Bakersfield.....	110	50	81.8	0.00		Point George L. H.	.....	.....	.....	0.00	
Fort Grant.....	100	61	80.4	4.37		Ballast Point L. H.	.....	.....	.....	0.00		Point Huemene L. H.	.....	.....	.....	0.00	
Fort Huachucas.....	99	61	80.0	4.19		Bear Valley.....	.....	.....	.....	0.00		Point Lobos.....	70	47	54.6	T.	
Gila Bend*1.....	115	75	92.0	0.80		Berkeley.....	80	48	80.8	0.00		Point Loma L. H.	.....	.....	.....	0.00	
Globe.....	108	63	85.7	2.71		Bishop.....	99	42	74.6	T.		Point Montara L. H.	.....	.....	.....	0.00	
Ingleside.....	114	68	92.4	.....		Boca*1.....	87	39	82.8	0.00		Point Pinos L. H.	.....	.....	.....	0.00	
Jerome.....	103	65	84.2	0.80		Bodie.....	84	28	87.5	0.39		Point Sur L. H.	.....	.....	.....	0.00	
Kingman.....	106	61	85.6	0.60		Bowman.....	92	49	69.7	T.		Pomona (near).....	104	50	76.8	0.00	
Mariocoopa*1.....	123	88	102.8	1.50		Branscomb.....	95	38	84.2	0.01		Poway*4.....	92	52	72.5	T.	
Mesa.....	118	62	89.8	0.48		Campbell.....	95	38	84.2	T.		Quincy.....	95	36	66.1	0.00	
Mohawk Summit*1.....	123	84	100.1	0.97		Cape Mendocino L. H.	94	36	69.4	T.		Ranch House.....	.....	.....	.....	T.	
Mount Huachuca.....	103	53	79.0	5.39		Claremore.....	112	62	82.6	0.00		Redding.....	104	55	81.1	0.01	
Natural Bridge.....	.....	.....	2.51	.....		Delta*1.....	102	60	77.6	0.00		Redlands.....	104	54	78.4	0.00	
Nogales.....	104	62	81.8	3													

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
<i>California—Cont'd.</i>	o	o	o	Ins.	Ins.	<i>Colorado—Cont'd.</i>	o	o	o	Ins.	o	<i>Florida—Cont'd.</i>	o	o	o	Ins.	Ins.
San Luis L. H.	58	25.2	36.9	0.00		Saguache	95	45	68.4	0.98	Wausau	107	66	68.0	6.10		
San Miguel *1.	100	58	75.2	0.00		Salida	96	40	69.3	0.99	Wewahitchka	98	67	81.6	11.49		
Santa Barbara	86	53	65.3	0.06		San Luis	89	41	65.4	2.58	<i>Georgia.</i>						
Santa Barbara L. H.				0.00		Santa Clara	90	49	68.6	1.72	Adairsville	95	68	81.3	2.58		
Santa Clara				T.		Sapirero					Albany	104	71	84.4	3.09		
Santa Cruz	88	36	60.0	T.		Selbert					Allapaha	102	67	81.6	4.10		
Santa Cruz L. H.				0.00		Silt	100	48	75.4	0.20	Allentown	104	67	82.7	4.28		
Santa Maria	86	46	68.4	0.00		Sugarloaf	89	45	68.9	2.80	Ameriolas	103	69	88.8	5.08		
Santa Monica				0.00		Telluride	90	36	64.6	0.82	Athens b.	99	68	80.8	3.51		
Santa Paula	91	53	71.6	0.00		Trinidad	95	55	74.8	2.37	Auburn	101					
Santa Rosa *1	92	49	64.4	0.00		T. S. Ranch	95	52	76.9	0.25	Bainbridge	104	70	88.3	3.94		
Shasta	110	58	88.6	0.02		Twin Lakes					Blakely	104					
Sierra Madre	91	52	72.6	T.		Vilas					Bowersville	98	67	81.0	3.90		
Sonoma				T.		Wagon Wheel	84	27	58.8	0.80	Brent	102	66	81.8	4.16		
S. E. Farallone L. H.				0.05		Walder	93	30	63.9	0.38	Camak	100	68	88.4	3.43		
Stanford University	89	43	64.0	0.00		Westcliffe	87	40	64.3	0.35	Canton						
Stockton	96	46	71.8	0.00		Wray	108	51	79.2	2.05	Carlton						
Storey	108	50	79.7	0.00		Yuma					Clayton	94	61	76.4	1.68		
Summerdale	88	43	67.0	0.01		<i>Connecticut.</i>					Columbus	100	72	84.0	5.08		
Susanville	102	36	70.9	0.00		Bridgeport	100	51	75.6	6.41	Covington	104	66	82.1	3.84		
Tehama *1	108	68	85.9	0.00		Canton	97	48	72.0	3.08	Dahlonega	97	58	79.0	1.97		
Tejon Ranch	105	56	88.4	0.00		Colchester	97	50	73.2	6.84	Diamond	94	57	76.4	4.07		
Thermalito	106	52	79.4	T.		Falls Village					Dublin						
Trinidad L. H.				0.80		Hartford	98	56	75.6	4.32	Eastman	104	70	88.8	3.70		
Truckee *1	92	36	54.6	0.00		Hawleyville	96	49	74.2	5.64	Elberton	97	70	81.5	6.08		
Tulare b.				0.00		Lake Konomoc					Experiment	99	67	81.2	3.22		
Tulare c.	112	50	82.0	T.		Middletown	100	50	74.6	4.86	Fitzgerald	102	66	88.1	5.86		
Ukiah	104	41	70.8	T.		New London	92	55	76.2	2.38	Fleming	100	65	81.0	8.48		
Upperlake	102	42	72.8	T.		North Grosvenor Dale	101	48	72.8	4.32	Fort Gaines	104	69	88.3	2.77		
Upper Mattole	88	40	61.5	T.		Norwalk	100	46	76.0	4.89	Franklin						
Vacaville *1	104	55	75.0	T.		Southington	96	51	73.6	6.30	Gainesville	99	68	79.8	5.47		
Ventura	77	51	68.8	0.00		South Manchester					Gillville	103	66	80.8	5.57		
Visalia b.	107	48	79.2	0.00		Storrs	95	51	72.0	5.54	Greenbush	100	55	80.0	3.22		
Volcano Springs	121	56	102.3	0.00		Voluntown	95	46	73.0	8.96	Griffin	101	64	82.0	3.10		
Wasco	109	52	88.2	0.00		Wallingford					Harrison	99	67	81.4	5.28		
Wheatland	102	49	76.2	0.00		Waterville	102	49	77.4	4.44	Hawkinsville	100	71	82.3	2.25		
Williams *5	103	60	84.4	0.00		West Cornwall	96	53	72.1	4.57	Hephzibah						
Wilmington *1	80	49	64.7	0.00		West Simsbury					Jesup	97	69	81.2	8.17		
Wire Bridge *6	102	54	79.9	0.00		<i>Delaware.</i>					Lost Mountain	97	62	80.4	4.52		
Yerba Buena L. H.				0.00		Milford	104	68	80.9	4.71	Lumpkin	105	68	88.9	1.46		
Yreka	96	36	69.6	0.05		Millsboro	100	65	80.0	5.24	Marshallville	103	68	88.8	2.22		
Yuba City *5	102	60	88.2	T.		Newark	100	59	78.5	3.82	Milledgeville	97	69	80.8	3.22		
Zenia				0.02		Seaford	102	66	81.2	3.59	Millen	101	69	82.2	6.40		
<i>Colorado.</i>						Wyoming					Morgan	104	66	80.8	4.14		
Alford						<i>District of Columbia.</i>					Naylor	108	68	82.3	6.90		
Amity	103	68	79.8	2.82		Distributing Reservoir *6	98	70	81.2	3.97	Newnan	99	68	82.3	4.55		
Arkins				0.22		Receiving Reservoir *6	95	66	80.6	5.41	Oakdale						
Ashcroft				1.44		West Washington	102	64	78.8	5.58	Point Peter	103	66	81.6	2.84		
Bailey	87	37	68.4	1.81		<i>Florida.</i>					Poulan	101	67	80.9	4.89		
Blaine	106	49	80.5	1.55		De Funik Springs	105	68	81.1	8.71	Putnam						
Boulder	94	53	75.2	0.46		Deland	95	69	81.7		Quitman	105	67	81.7	7.88		
Boxelder				0.57		Earnestville	100	71	88.3	13.35	Ramsey	96	53	78.6	3.28		
Breckenridge	86	33	59.4	0.89		Eustis	97	71	83.8	5.93	Ressaca						
Buenavista				0.10		Federal Point	94	69	80.6	5.05	Rome	101	58	82.0	4.61		
Canyon	97	58	75.6	1.54		Flamingo	90	71	81.3	7.51	Statesboro	101	69	82.8	3.10		
Castlerock	95	49	72.2	1.73		Fort Meade	97	65	81.6	11.35	Talbotton	101	66	81.4	8.07		
Cedaredge	101	55	74.4	0.20		Fort Pierce	95	69	81.1	3.04	Thomasville	106	70	82.2	10.16		
Cheyenne Wells	103	58	79.0	3.68		Gainesville	94	70	81.6	7.76	Tocosos	95	66	79.8	3.76		
Clearview	79	58	57.4	3.71		Huntington	98	68	82.2	8.39	Union Point	97	68	80.5	3.89		
Colibrans	99	46	74.4	0.55		Hypoluxo	90	70	81.6	4.90	Valona	98	65	81.6	5.89		
Colorado Springs	91	61	74.4	0.55		Inverness	98	69	81.2	8.75	Vidalia	101	68	82.2	4.15		
Crook				0.58		Jasper					Washington	98	65	82.0	4.78		
Delta	105	44	77.8	0.05		Kissimmee	98	69	81.1	2.84	Waverly	108	68	82.0	18.56		
Durango	98d			0.95		Lake Butler					Waycross	102	68	84.1	8.42		
Fort Collins	97	48	72.5	0.71		Lake City	98	69	81.6	4.55	Waynesboro	98	70	81.2	3.71		
Fort Morgan	99	53	77.0	T.		McAlpin	99	69	83.4	5.65	Westpoint	101	68	82.9	3.80		
Fox				1.54		MacClellan	99	68	82.1	4.10 ^b	Woodbury	102	64	81.4	0.88		
Gleneyrie	87	53	70.0	2.00		Manatee	94	62	81.4	11.18	<i>Idaho.</i>	101	28	69.0	0.81		
Glenwood Springs				0.64		Marco	95	72	83.2	9.21	Ablion	101	28	73.7	0.00		
Greely	100	50	74.7	0.26		Marianna	95	69	81.2	4.47	American Falls	103	28	73.7	0.00		
Grover				0.15		Merritt Island	92	72	82.4	2.15	Atlanta	95	28	63.4	0.04		
Gunnison	91	31	64.6	0.42		Merriam	92	70	81.9	9.18	Blackfoot	103	36	74.1	0.23		
Hamps.	98	48	73.0	0.38		Micanopy	97	69	81.9	5.63	Burndale	95	36	70.6	0.20		
Hoechne	96	55	75.1	0.10		Middleburg	101	68	79.5	5.28	Chesterfield	95	18	68.0	0.06		
Holly	102	61	80.8	3.48		Myers	90	70	82.7	6.72	Downey	102	36	73.2	0.00		
Holyoke (near)	106*	51*	79.4*	1.61		New Smyrna	94	66	80.1 ^a	3.20	Forney	96	36	68.2	0.85		
Hugo				0.45		Nocatee	98	69	82.4	10.88	Garnet	113	46	82.6	0.00		
Husted	92	45	69.2	2.21		Ocala	98	68	82.5	8.16	Hagerman	109	41	76.6	T.		
Lake Moraine.	89	32	57.6	2.68		Orange City	98	68	83.0	4.81	Halley	100	33	69.8	0.00		
Lamar	108	60	82.4	0.96		Orlando	98	71	82.0	4.28	Idaho City	101	30	68.8	0.00		
Laporte				0.57		Plant City	98	67	82.0	6.76	Kootenia	91</td					

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
<i>Illinois.</i>						<i>Indiana</i> —Cont'd.						<i>Iowa</i> —Cont'd.					
Albion	109	55	83.2	3.81	Ins.	Columbus	111	49	82.3	1.98	Ins.	Council Bluffs	108	62	85.8	2.11	Ins.
Aledo	108	55	82.8	2.16		Connersville	107	49	80.1	8.50		Cresco	106	48	85.8	4.08	
Alexander	106	50	83.2	1.44		Crawfordsville	108 ^b	60	86.2 ^c	0.40		Cumberland					1.89
Antioch	104	45	77.1	2.85		Delphi	104	48	80.0	0.47		Danville					2.37
Aston	106	45	79.3	4.14		Edwardsville ^a 1	100	50	81.4	2.75		Decorah	107	48	80.4	8.30	
Astoria	106	48	81.2	3.65		Farmland	100	50	81.2	3.61		Delaware	108	51	81.0	1.52	
Aurora ^a	103	47	80.0	4.70		Franklin ^a	107	63	81.7	0.81		Denison	106	51	82.4	0.28	
Bloomington	106	46	82.1	1.96		Greencastle	105	58	81.4	T.		Desoto					1.68
Bushnell	111	53	84.4	4.24		Greensburg ^d	102	58	80.0	3.35		Dows	106	50	80.5	2.17	
Cambridge	107	53	82.6	8.90		Hammond	104	49	78.0	2.68		Eldon	112	65	85.1	1.24	
Carlville	111	51	83.8	0.72		Hector	102	51	79.5	1.41		Elkader	111	48	81.8	2.05	
Centralia	115	55	86.4	0.98		Huntington	101	53	80.7	0.91		Emerson					1.87
Chemung	106	40	78.4	3.45		Jeffersonville	103	55	82.8	3.58		Esterherville	107	50	80.4	1.41	
Chester	108	57	84.8	0.83		Knightstown	107	53	82.8	0.97		Fayette	110	48	82.4	0.63	
Cline	118	53	84.6	1.58		Kokomo	102	51	81.3	0.17		Fonda					4.38
Coatsburg	111	57	84.8	2.38		Lafayette	104	51	81.1	0.44		Forest City	106	49	82.6	4.00	
Cobden	112	57	85.2	1.30		Laporte	108	53	80.6	8.86		Fort Dodge	107	50	81.8	4.82	
Danville	104	46	80.0	T.	Logansport	105	51	81.0	1.09		Fort Madison					2.19	
Decatur	109	47	81.7	0.49		Madison ^a	106	52	82.6	0.89		Galva	106	54	82.3	0.69	
Dixon	106	50	81.0	8.98		Madison ^b	105	51	81.1	0.16		Gilman					3.51
Effingham	109	52	82.8	1.32		Marengo	106	51	80.7	1.01		Glenwood	106	60	84.6	2.81	
Equality	112	54	84.8	2.11		Marion	105	51	81.1	0.16		Grand Meadow	108	49	80.8	1.56	
Flora	108	53	82.8	2.09		Markle	101	50	78.2	0.20		Greene	111	50	82.6	2.84	
Galva	106	52	80.9	4.59		Mauzy	108	49	80.2	2.10		Greenfield	108	58	82.4	2.26	
Grafton				2.10		Mount Vernon	109	56	82.9	1.56		Grinnell (near)	103	56	82.0	1.46	
Grayville	106	56	88.7	0.97		Northfield	103	48	79.8	0.10		Grundy Center	105	50	80.2	2.13	
Greenville	113	56	85.8	1.69		Paoli	111	48	82.8	0.47		Guthrie Center	108	50	81.8	1.76	
Griggsville	110	55	84.4	2.74		Prairie Creek	110	48	83.2	0.69		Hampton	109	52	82.4	2.89	
Halfway	110	56	84.8	0.50		Seymour	105	57	82.2	0.80		Harlan	111	53	82.4	0.76	
Halliday	112	51	84.5	0.07		Shelbyville	107 ^b	60	83.8 ^b	1.80		Hawkeye					1.22
Havana	109	49	82.6	1.85		South Bend	103	51	79.4	2.25		Hopewell	105	50	88.0	1.79	
Henry	111	46	82.0	3.40		Syracuse	103	49	79.6	2.70		Hoprlg					2.15
Hillsboro	109	54	84.1	1.98		Terre Haute	104	54	83.6	0.46		Humboldt	108	51	82.0	2.47	
Joliet	104	48	79.8	5.42		Topoka	102	51	78.0	0.90		Independence	108	48	81.2	2.07	
Kishwaukee	106	42	79.2	4.39		Valparaiso	104	50	79.8	1.49		Indianola	108	61	84.6	1.43	
Knoxville	106	44	80.6	2.51		Vevey	105	56	82.2	0.40		Iowa City	108	53	82.2	1.29	
Lagrange ^a	104	48	77.1	2.87		Vincennes	109	54	85.4	1.80		Iowa Falls	104	51	80.0	3.47	
Laharpe	106	50	82.7	5.15		Washington	109	52	85.5	1.48		Jefferson					1.07
Lamar	107	41	80.7	1.15		Winamac	109	48 ^b	81.2 ^b	0.50		Kenosauqua	110	57	85.8	2.79	
La Salle	107	50	81.7	4.99		Worthington	109	50	81.3	8.11		Knoxville	109	57	84.7	2.66	
Losni				0.27		<i>Indian Territory.</i>						Lacona					3.35
McLeansboro	110	55	84.6	2.87		Clarendore	113	57	87.0 ^b	0.65		Larrabee	108	53	82.0	1.18	
Martinton	106	44	79.5	1.85		Fairland	107	57	85.2	1.94		Leclaire	105	52	81.4	2.10	
Mascoutah	109	55	88.4	0.76		Hartshorne	108	57	87.0	1.55		Lenox	104	59	81.4	0.71	
Mattoon	106	52	88.4	1.20		Headlton	108	53	85.8	1.76		Maple Valley					2.25
Melrose	109	50	81.6	0.48		Holdenville	102	61	88.4	5.78		Marquoketa	108	54	82.6	2.79	
Minonk	106	42	80.2	2.40		Leigh	107	60	85.5	3.20		Marshalltown	108	54	82.6	0.59	
Monmouth	107	47	80.4	5.44		Marlow	105	60	85.8	1.06		Monticello	108	54	82.7	1.96	
Monticello	106	51	80.5	0.20		Muscookee	108	55	85.6	2.76		Mount Pleasant	109	56	82.9	3.63	
Morgan Park				5.71		Pauls Valley	106	55	84.8	1.50		Mount Vernon ^b	107	57	84.8	0.61	
Morrison	111	43	79.0	6.43		Roff	105 ^b	60 ^b	87.0 ^b	2.46		Murray					4.78
Morrisonville	110	61	82.0	0.71		Ryan	108	70	88.4	0.93		New Hampton	108 ^b	48 ^b	79.6 ^b	1.88	
Mount Carmel				0.83		Sapulpa	109	57	86.0	1.93		Newton	107	57	88.1	2.89	
Mount Puisaski	112	54	88.2	1.67		South McAlester	110	55	85.3	5.51		Northwood	105	49	79.8	1.18	
Mount Vernon	112	52	85.8	0.69		Tahlequah	110	55	85.3	0.48		Odebolt	109	55	84.3	0.80	
New Burnside	112 ^a	51 ^a	85.4 ^a	0.33		Tulsa	116	59	89.2	0.75		Ogden	108	56	82.9	2.41	
Olney	109	53	84.6	0.25		Webbers Falls	111 ^b	61 ^b	87.0 ^b	3.00		Olin	108	51	81.2	1.08	
Ottawa	112	51	83.8	5.47		<i>Iowa.</i>						Onawa	108	56	82.4	0.92	
Palestine	105	53	83.2	0.97		Afton	107	55	82.6	4.43		Osage	101	48	77.8	2.53	
Pana	107	55	82.9	1.08		Albia	110	55	85.8	2.75		Oscceola	107	57	84.1	2.92	
Paris	106	53	81.4	2.07		Algoa	106	52	82.2	4.80		Oskaloosa	107	56	84.0	1.64	
Pecoria ^a	108	53	82.4	4.89		Alta	105	54	81.2	1.55		Ottumwa	108	60	86.0	1.98	
Phil	104	47	79.5	3.73		Amana	104	52	82.0	1.85		Ovid	112	58	85.2	3.08	
Plumhill	109	56	84.3	3.17		Ames ^b	109	55	88.3	2.23		Pacific Junction	107	57	88.3	2.68	
Rantoul	108	48	80.7	0.51		Atlantic	110	51	82.3	1.44		Pella	110	55	84.1	3.15	
Raum	108	60	85.0	1.96		Battle Creek	105	54	82.2	2.15		Perry	110	55	84.1	1.10	
Riley	107	47	79.6	8.23		Baxter	105	54	81.6	1.68		Plover	109	50	84.3	2.27	
Robinson	108	50	82.2	0.71		Belleplaine	104	55	81.6	0.94		Pringhar	110	55	88.6	0.85	
Rockford	108	50	80.5	2.75		Bonaparte	112	54	84.8	0.94		Redoak	101	58	88.0	2.80	
St. Charles	106	50	81.6	4.73		Britt	104	48	79.4	4.98		Ridgewater	105	52	80.9	5.97	
Scales Mound	108	44	80.5	2.84		Clinton	105	54	82.6	0.60		Rockwell City	106	58	81.4	1.45	
Shoboni	102	48	88.5	2.95		Clearlake	106	55	88.0	2.74		Ruthven	104	50	81.8	2.86	
Strawn	106	44	80.1	2.87		Clipper	105	54	82.6	2.07		Sac City	108	54	88.6	0.35	
Streator	107	47	80.4	3.02		Corral	106	55	88.0	2.07		St. Charles	108	59	88.9	2.42	
Sullivan																	

TABLE II.—Climatological record of voluntary and other cooperating observers.—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	Stations	Temperature. (Fahrenheit.)			Precipita- tion.
	Maximum.	Minimum.	Mean			Maximum.	Minimum.	Mean			Maximum.	Minimum.	Mean	
Iowa—Cont'd.	0	0	0	In.	Kentucky—Cont'd.	0	0	0	In.	Maryland—Cont'd.	0	0	0	In.
Whitten.....	106	53	81.9	2.46	Franklin.....	102	53	80.8	0.60	Cheltenham.....	100	64	79.2	5.59
Wilton Junction.....	108	50	82.2	3.80	Georgetown.....	100	53	82.7	1.55	Chestertown.....	100	53	79.0	8.48
Winterset.....	109	59	83.8	4.97	Henderson.....	107	57	83.6	1.20	Clearsprings.....	96	57	76.0	3.47
Woodburn.....	.....	.....	.....	.....	Hopkinsville.....	109	54	88.7	0.61	Coleman.....	104	.....	.....	7.42
Kansas.	.....	.....	.....	.....	Irvington.....	100	52	80.7	2.46	Cumberland b.....	.....	.....	.....	2.76
Abilene.....	109	60	87.4	0.15	Leitchfield.....	103	53	80.8	1.12	Darlington.....	104 ^b	61 ^a	78.2 ^c	9.16
Achilles.....	108 ^b	55	81.6 ^c	0.15	Loretto.....	104 ^b	48	80.8	1.06	Deerpark.....	94	46	71.0	3.88
Altoona.....	108 ^c	56	85.4	2.20	Manchester.....	107	53	81.6	1.05	Denton.....	105	62	80.0	7.67
Anthony.....	.....	.....	4.54	.....	Marrowbone.....	101	50	79.2	1.40	Easton.....	99	66	79.8	5.39
Atchison a.....	108	56	86.6	2.13	Maysville.....	108	53	82.0	0.93	Fallston.....	100	60	77.8	7.58
Baker.....	108	58	86.2	0.70	Mount Sterling.....	100	58	79.7	2.25	Frederick.....	101	63	80.2	8.88
Beloit.....	108	61	89.0	0.66	Owensboro.....	102	57	82.5	2.49	Frostburg.....	96	53	74.2	5.49
Burlington.....	109	54	85.2	2.41	Owenton.....	102	55	82.5	2.29	Grantsville.....	98	48	73.0	2.63
Chanute.....	109	59	87.0	0.92	Paducah a.....	.....	.....	1.84	Greatfalls.....	102	.....	.....	6.06	
Colby.....	108	53	81.6	0.54	Paducah b.....	113	61	86.4	0.88	Greenspring Furnace.....	100	57	79.2	4.48
Columbus.....	110	61	86.8	1.88	Pikeville.....	102	58	80.0	1.45	Hagerstown.....	102	58	79.8	3.51
Coolidge.....	108	44	82.1	2.20	Richmond.....	.....	.....	0.80	Hancock.....	106	54	78.6	5.98	
Delphos.....	108	54	86.0	1.08	St. John.....	100	53	79.4	1.30	Harney.....	.....	.....	4.30	
Dresden.....	108	54	88.6	0.67	Scott.....	107	52	81.1	1.79	Jewell.....	100	65	79.2	5.53
Ellinwood.....	104	58	84.1	0.94	Shelby City.....	101	51	79.0	2.95	Johns Hopkins Hospital.....	102	58	78.8	7.10
Emporia.....	106 ^a	65 ^a	86.0 ^c	0.88	Shelbyville.....	107	53	88.0	1.80	Laurel.....	103	68	79.4	7.49
Englewood.....	105	59	84.8	0.68	Vanceburg.....	102	.....	0.88	Longwoods.....	.....	.....	6.38		
Eureka Ranch.....	109	51	85.8	1.80	Warfield.....	96	56	77.8	2.55	McDonogh.....	101	61	78.6	4.50
Fallriver.....	106	57	84.2	4.08	Williamsburg.....	103	55	80.7	4.32	Mount St. Mary's Coll.....	99	58	78.4	3.11
Farnsworth ^a	108	61	81.1	8.50	Louisiana.	.....	.....	.....	Newmarket.....	100	61	78.7	6.80	
Fort Leavenworth.....	108	64	88.1	1.55	Abbeville.....	98	70	81.4	6.67	Pocomoke.....	100	65	81.2	2.52
Fort Scott.....	112	61	88.4	1.94	Alexandria.....	109	69	84.7	7.65	Princess Anne.....	99	64	79.2	3.10
Frankfort.....	110	54	85.7	3.25	Amitie.....	104	70	83.0	15.83	Queenstown.....	100	64	80.4	4.66
Garden City.....	108	57	84.4	1.48	Baton Rouge.....	103	69	82.8	6.88	Rockhall b.....	102	64	79.4	8.31
Gove ^a	105	65	88.8	1.44	Burnside.....	102	69	81.8	6.28	Sharpsburg.....	105	64	82.7	4.73
Grenola.....	110	55	84.8	0.84	Calhoun.....	107	64	82.2	2.80	Smithsburg a.....	100	55	77.6	3.58
Hanover.....	109	61	86.6	1.88	Cheneyville.....	108	68	84.1	6.37	Smithsburg b.....	100	58	77.8	3.43
Harrison.....	108	56	85.0	2.38	Clinton.....	.....	.....	10.04	Solomons.....	99	68	81.0	7.14	
Hays.....	110	51	85.0	0.50	Covington.....	101	69	81.6	10.80	Sudlersville.....	104	68	80.4	8.01
Horton.....	109	63	87.8	1.80	Donaldsonville.....	102	70	81.6	3.76	Sunnyside.....	98	40	71.4	5.49
Hoxie.....	108	55	88.6	1.25	Emilie.....	99	70	81.4	10.70	Takoma Park.....	98	68	78.2	6.68
Hutchinson.....	108	58	84.6	1.54	Farmerlyville.....	103	68	85.1	5.05	Taneytown.....	99	68	78.0	7.50
Independence.....	111	65	88.0	2.50	Franklin.....	100	70	82.4	12.95	Van Bibber.....	101	68	79.0	6.80
Jetmore.....	108	61	88.1	1.30	Grand Coteau.....	104	69	82.6	7.50	Westernport.....	98	58	76.4	2.11
Lakin.....	102	59	80.6	1.50	Lawrence.....	106	70	88.4	7.09	Woodstock.....	100	68	80.6	4.98
Lawrence.....	108	64	87.0	4.60	Libertyhill.....	111	62	84.7	4.69	Massachusetts.	.....	.....	.....
Lebanon.....	106	54	83.9	2.80	Mansfield.....	106	67	88.0	3.57	Amherst.....	97	49	72.8	3.77
Lebo.....	109	57	86.5	2.11	Melville.....	103	64	81.8	5.91	Bedford.....	98	50	71.6	6.00
Leoti.....	108	58	80.9	2.91	Minden.....	111	68	84.4	5.37	Blue Hill (summit).....	98	51	71.5	6.15
Little River.....	107	58	85.4	0.79	Lake Charles.....	108	71	88.4	6.68	Cambridge.....	96	53	74.0	4.06
Macksville.....	108	58	88.2	0.82	Lake Providence.....	100	66	82.2	3.88	Chestnut Hill.....	97	53	75.0	6.40
McPherson.....	110	57	87.6	0.84	Lawrence.....	100	71	82.8	10.82	Concord.....	97	49	72.5	5.15
Madison.....	106	52	88.2	3.88	Libertyhill.....	111	62	84.7	4.69	East Templeton ^a	98	54	72.6	3.08
Manhattan.....	111	53	86.4	1.72	Mansfield.....	106	67	88.0	3.57	Fall River.....	98	56	72.6	2.18
Marion.....	111 ^b	60 ^b	86.8 ^c	1.85	Melville.....	103	64	81.8	4.15	Fitchburg a ^{*1}	96	55	72.8	5.13
Medicine Lodge.....	109	68 ^b	86.3 ^c	0.80	Minden.....	111	68	84.4	5.67	Fitchburg b.....	100	53	73.4	6.08
Minneapolis.....	108	50	85.7	0.88	Monroe.....	108	64	84.1	2.82	Framingham.....	98	51	74.5	5.19
Moran.....	109	65	86.7	0.99	New Iberia.....	101	70	82.4	8.68	Groton.....	96	47	71.4	6.13
Moutnepoint ^a	104	73	87.7	1.87	Opelousas.....	104	69	84.0	9.81	Hyannis.....	.....	.....	3.40	
Ness City.....	109	62	87.8	0.88	Oxford.....	105	69	82.2	3.58	Jefferson.....	.....	.....	5.55	
Newton.....	107	55	85.0	1.44	Paincourtville.....	102	70	88.0	3.87	Lawrence.....	95	58	78.4	4.15
Norwich.....	106	66	85.6	1.84	Plain Dealing.....	108	55	83.4	4.97	Leominster.....	.....	.....	6.31	
Oberlin.....	.....	.....	0.87	Prevost.....	.....	.....	2.07	Lowell a.....	95	58	75.8	4.78		
Olathe.....	109	58 ^b	87.4 ^c	8.12	Rayne.....	107	70	84.6	5.58	Lowell b.....	96	50	74.4	...
Osborne.....	.....	.....	0.75	Reserve.....	107	69	82.2	9.04	Ludlow Center.....	97	48	70.1	8.37	
Oswego.....	107	61	85.9	1.84	Robeline.....	107	60	88.0	3.65	Middleboro.....	98	47	71.7	2.58
Ottawa.....	110	52	85.4	1.97	Ruddock.....	102	69	82.0	6.62	Monson.....	96	53	74.4	8.50
Phillipsburg.....	58	.....	1.66	Ruston.....	106	61	88.8	6.41	New Bedford a.....	90	54	71.5	8.28	
Pratt.....	105	61	84.5	0.68	Schreiver.....	108	69	82.6	14.30	Pittsfield.....	96	49	78.6	3.80
Rome.....	108	61	87.9	4.85	Southern University.....	94	66	77.7	8.98	Plymouth ^a	92	55	71.5	4.44
Russell.....	105	58	85.2	0.95	Sugar Ex. Station.....	101	71	82.8	8.82	Princeton.....	96	49	78.6	5.56
Salina.....	106	56	86.4	0.90	Sugartown.....	102	71	84.2	6.83	Provincetown.....	104	52	78.4	3.83
Scott.....	104	52	80.4	3.88	Venice.....	98	70	81.3	4.95	Salem.....	.....	.....	3.48	
Sedan.....	108	58	86.1	3.15	Wallace.....	108	69	82.5	9.87	Somerset ^a	100	54	76.8	5.08
Seneca.....	107	57	84.8	2.75	White Sulphur Springs.....	110	67	83.9	5.85	Springfield Armory.....	100	58	74.7	5.11
Toronto.....	109	56	85.4	4.92	Moine.	.....	.....	.....	Sterling.....	.....	.....	5.51		
Tribune.....	100	45	78.8	2.59	Bar Harbor.....	95	48	66.9	1.68	Taunton.....	92	45	71.8	8.94
Ulysses.....	108	55	82.8	0.54	Belfast.....	96	48	68.4	8.10	Webster.....	.....	.....	4.20	
Valley Falls.....	107	55	85.6	2.97	Bemis.....	100 ^d	42 ^d	66.8 ^d	5.46	Westboro.....	98	52	74.4	6.37
Viroqua.....	106	60	82.2	1.60	Calais.....	94	45	70.4	1.11	Weston.....	94	50	72.8	5.76
Wakeeney (near).....	.....	.....	1.20	Carmel.....	97	46	69.0	3.00	Williamstown.....	91	48	70.2	5.78	
Wallace.....	107	58	85.8	1.88	Cornish.....	97	51	70.8	2.99	Winchendon.....	.....	.....	4.58	
Wamego ^a	107	68	85.7	4.49	Fairfield.....	97	45	70.2	4.22	Worcester.....	97	51	74.8	4.30
Winfield.....	108	60	85.9	2.49	Flagstaff.....	94	36	64.8	5.01	Michigan.	.....	.....	.....
Yates Center.....	108	55	84.6	2.34	Gardiner.....	101	48	71.8	4.26	Adrian.....	98	49	77.3	1.75
Kappa.	.....	.....	.....	Kineo.....	98	48	65.0	1.95	Agricultural College.....	98	49	74.2	5.08	
Alpha.	100	60	81.8	2.34	Lewiston.....	100	51	71.4	4.25	Allegan.....	98 ^d	48 ^d	76.4 ^d	1.98
Anchorage.....	107	50</												

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
<i>Michigan—Cont'd.</i>						<i>Minnesota.</i>						<i>Mississippi—Cont'd.</i>					
Big Rapids	97	44	73.4	4.80	In.	Ada	97	46	71.6	4.69	In.	Macon	106	60	88.6	In.	In.
Birmingham	98	50	77.2	2.88		Alexandria	100	50	78.1	2.44		Magnolia	104	68	81.9	11.11	
Boon	94	40	68.8	5.56		Ashby	98	53	73.4	3.78		Natchez	105	70	88.0	8.55	
Calumet	97	40	65.9	4.71		Beardsley	108 ¹	50 ¹	75.45	2.25		Itta Bena	104	60	88.1	5.89	
Carsonville	96	45	75.6	4.19		Bemidji	95	40	72.2	4.45		Okolona	108	55	84.4	0.97	
Cassopolis	103	37	77.6	2.85		Bird Island	101	53	72.4	7.84		Palo Alto	104	62	84.6	0.85	
Charlevoix	98	49	70.2	7.09		Blooming Prairie	105	48	76.7	1.41		Pearl River	105	69	82.8	5.63	
Chatham	98	81	67.4	5.83		Brainerd	108	46	77.4	1.70		Pittsboro	107	57	88.6	2.62	
Cheboygan	98	49	69.8	4.61		Caledonia	99	51	73.7	4.69		Pontotoc	105	57	88.4	2.08	
Clinton	96	50	77.0	3.59		Collegeville	108	52	77.2	8.10		Poplarville	101 ²	61	82.8	10.88	
Coldwater	98	51	76.6	4.67		Crookston	99	56	74.7	2.53		Port Gibson	103	56	82.1	5.24	
Deerpark	97	45	65.0	3.81		Currie	108	44	77.7	.....		Ripley	105	66	82.1	5.70	
Detour	92	51	67.8	5.78		Deephaven	.....	.....	.....	.....		Saratoga	106	60	82.1	5.70	
Dundee	96	50	77.4	2.96		Detroit City	97	46	71.6	5.45		Shoecoe	.....	.....	.....	3.25	
Eagle Harbor	100	41	82.8	3.36		Faribault	104	49	79.6	3.48		Stonington	100	68	81.4	4.86	
East Tawas	97	58	72.0	3.87		Farmington	102	48	76.8	2.32		Suffolk	104	67	81.4	7.59	
Eloise	98	49	76.8	4.57		Fergus Falls	100	50	73.8	6.48		Swartwout	108	58	84.8	9.30	
Ewen	101	41	67.0	2.00		Glencoe	103	40	75.1	2.71		Thornton	.....	.....	.....	.....
Fairview	94	51	76.4	3.47		Grand Marais	.....	.....	.....	.....		Tupelo	.....	.....	.....	3.28	
Fennville	100	49	77.0	1.32		Grand Meadow	107	45	79.4	2.68		Walnutgrove	104	70	84.2 ³	2.19	
Fitchburg	95	40	74.1	5.21		Hallcock	98	46	69.0	3.77		Waynesboro	105	69	84.3	1.87	
Flint	97	48	74.8	8.89		Hovland	.....	.....	.....	.....		Windham	110	62	81.6	5.50	
Gaylord	101	37	68.6	8.85		Jake Jennie	102	53	75.3	2.68		Woodville	104	69	88.8	10.25	
Gladwin	96	41	71.6	4.70		Lakeside	105	51	78.0	1.59		Yazoo City	105	62	83.4	2.40	
Grand Marais	98	41	67.3	4.82		Lake Winnibigoshish	103	48	70.4	3.82		<i>Missouri.</i>					
Grand Rapids	97	53	78.1	5.12		Leech	99	48	70.2	4.86		Appleton City	110 ²	61	86.7 ^c	1.31	
Grape	100	48	77.5	1.96		Long Prairie	102	47	78.8	1.46		Arthur	110	58	86.1	2.78	
Grayling	99	42	71.9	3.88		Luverne	102	54	79.0	1.46		Avalon	111	59	87.1	1.46	
Hanover	96	31	76.8	3.08		Lynd	104	50	76.8	0.88		Bethany	109	52	88.0	8.16	
Harbor Beach	101	50	73.0	2.41		Mapleplain	104	47	76.2	2.53		Birchtree	109	56	82.6	2.50	
Harrison	97	48	74.0	4.46		Milaca	100	48	72.2	3.20		Boonville	.....	.....	.....	1.75	
Harrisonville	103	52	70.0	3.50		Milan	107	50	78.2	1.15		Brunswick	103	62	84.1	1.83	
Hart	98	44	73.1	2.42		Minneapolis ¹	105 ⁴	48	77.2	1.41		Carrollton	108	64	87.1	1.92	
Hastings	100	46	76.2	6.19		Montevideo	106	49	77.9	1.24		Conception	104	65	86.4	0.91	
Hayes	98	47	71.6	4.88		Morris	102	54	75.4	2.34		Cook Station	115	48	83.9	1.85	
Highland Station	.....	.....	.....	.....		Mount Iron	101	40	68.0	4.17		Cowgill ⁵	108	66	88.3	2.46	
Hillsdale	96	48	76.0	2.68		Newfolden	95	47	68.6	12.08		Darksville	112	61	85.8	3.85	
Humboldt	98	29	65.2	5.25		New London	110	52	78.2	1.62		Dean	111	66	84.2	3.51	
Ionia	98	49	77.2	3.61		New Richland ¹	108	60	78.2	.....		Desoto	110	52	85.0	0.80	
Iron River	98	34	69.2	10.40		New Ulm	105	54	79.8	2.07		Downing	.....	.....	.....	2.15	
Ishpeming	97	31	68.0	5.11		Park Rapids	100	48	70.4	4.91		Edgellhill ⁶	110	62	84.4	1.32	
Ivan	97	42	71.0	3.78		Pine River	98	49	70.6	3.38		Edwards	111	52	84.8	2.98	
Jackson	100	51	78.6	2.90		Pipestone	100	56	78.4	0.85		Eightmile ⁴	114	60	80.3	1.51	
Jeddo	101	49	74.1	3.59		Pleasant Mounds	103	50	78.4	1.29		Eldon	110	53	85.1	0.68	
Kalamazoo	100	51	78.4	3.31		Pokegama Falls	99	40	68.8	5.09		Fairport	.....	.....	.....	1.78	
Lake City	99	45	74.1	3.20		Redwing ^a	.....	.....	.....	.....		Fayette	113	60	86.4	1.72	
Lansing	95	50	74.9	6.83		Reeds	106	50	79.0	1.84		Fulton	110	52	84.0	1.41	
Lapeer	97	44	75.1	3.92		Rolling Green	99	51	78.2	2.72		Galena	111	52	84.8	3.30	
Latrop	96	48	71.4	9.15		St. Charles	104	51	77.0	5.10		Gallatin ¹	112	68	87.8	1.55	
Lincoln	97	49	70.4	8.22		St. Cloud	105	50	76.6	2.88		Gayoso	107	59	84.4	2.62	
Ludington	98	44	71.4	1.97		St. Peter	106	47	79.0	1.12		Glasgow	109	59	86.3	1.26	
Mackinac Island	97	45	67.6	4.30		Sandy Lake Dam	98	49	71.0	2.89		Gorin	.....	.....	.....	2.85	
Mackinaw	96	50	70.9	6.63		Shakopee	103	50	76.4	1.76		Halfway	109 ⁵	57	84.6 ^b	2.66	
Madison	99	50	78.0	2.49		Thief River Falls	.....	.....	.....	.....		Harrisonville	112	57	86.6	1.92	
Mancelona	99	43	73.0	4.72		Tower	101	35	68.7	3.00		Hazlehurst	.....	.....	.....	1.00	
Manistee	95	53	73.6	4.62		Two Harbors	90	44	68.8	4.91		Hermann	.....	.....	.....	1.89	
Manistique	98	48	67.7	5.26		Wabasha ^a	105	55	75.2	1.68		Houston	111	51	82.4	1.65	
Menominee	99	46	70.2	4.64		Warroad	97 ^b	46 ^b	69.4 ^b	1.68		Irena	.....	.....	.....	3.86	
Midland	99	47	74.1	.....		White Bear	99	.....	.....	.....		Ironton	118	50	82.8	2.42	
Mio	98	44	71.3	2.97		Willmar	102	49	75.1	2.23		Jackson	111	50	82.8	2.05	
Mount Clemens	108	48	76.3	3.12		Willow River	101	42	69.8	5.53		Jefferson City	114	59	87.0	1.06	
Mount Pleasant	98	40	74.4	8.10		Worthington	100	58	79.0	1.70		Kidder	109	59	85.8	8.14	
Muskegon	95	55	76.1	6.67		Wyoming	.....	.....	.....	.....		Koshkonong	110	62	84.7	2.80	
Newberry	94	50	72.1	2.40		Zumbrota ¹	103 ⁴	52	77.9	.....		Lamar	108	59	86.0	1.95	
North Marshall ^a	98	48	75.5	4.00		Columbus ^a	.....	.....	.....	.....		Lamotte	.....	.....	.....	2.82	
Old Mission	96	50	73.2	3.77		Columbus ^b	102	68	83.4	3.12		Lebanon	109	61	85.4	1.80	
Olivet	94	53	75.6	7.38		Corinth	104	60	88.8	1.58		Lexington	111	60	86.9	8.54	
Omer	98	38	70.6	4.69		Crystalsprings	105	66	85.0	3.89		Liberty	109	55	85.8	1.97	
Onaway	97	38	69.0	5.42		Edwards	102	67	83.8	3.60		McCune ¹	110	63	85.7	2.51	
Ontonagon	99	40	68.6	7.27		Fayette	107	53	84.0	1.18		Macon	111	58	86.6	8.50	
Ovid	98	50	74.4	5.34		Fayette (near) ¹	105	74	81.8	3.83		Marblehill	116 ²	58 ³	84.4 ^d	1.81	
Owosso	99	50	78.2	4.95		Fayette (near) ¹	98	65	88.2	2.28		Marshall	108	60	85.1	1.84	
Petroskey	98	48	69.0	4.85		Greenville ^a	105	64	84.6	2.25		Maryville	107	60	84.2	4.85	
Plymouth	100	40	77.4	.....		Hattiesburg	101	72	85.0	8.68		Mexico	112	57	86.6	2.06	
Port Austin	100	56	75.9	3.10		Brookhaven	109										

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
<i>Missouri—Cont'd.</i>						<i>Nebraska—Cont'd.</i>						<i>Nebraska—Cont'd.</i>					
Rockport.....	o	o	o	1.98	In.	David City.....	106	60	88.8	2.90	In.	Turington.....	107	60	85.0	2.07	In.
Rolla.....				1.64		Dawson.....	111	58	87.6	1.29		Wakefield.....	107	54	81.4	0.94	
St. Charles.....	112	54	86.2	0.75		Eden.....				2.81		Wallace.....				0.00	
St. Joseph.....				1.18		Edgar a.....				6.06		Weaneta.....				1.20	
Sarcocia*.....				1.88		Ericson.....				0.23		Weeping Water.....	109	55	84.7	2.49	
Seymour.....	107	61	88.4	1.30		Ewing.....				0.69		Westpoint.....				0.85	
Shelbyville.....				4.90		Fairbury.....	110	57	85.4	3.89		Whitman.....	108	60	88.2	2.15	
Sikeston.....	111	53	88.2	0.73		Fairfield.....	107	58	85.2	2.83		Wilber*.....				0.58	
Steffenville.....	112	56	86.2	1.83		Fairmont.....	104	58	83.2	7.19		Willard.....				0.76	
Sublett.....	112	54	85.6	0.82		Fort Robinson.....	102	48	76.5	1.52		Wilsonville.....				1.67	
Trenton.....	105	63	85.5	1.98		Franklin.....	106			2.12		Winnebago.....				1.89	
Unionville.....	112	60	88.7	0.77		Fremont.....	105	56	82.0	2.11		Wisner.....				8.00	
Vichy.....	112	55	85.0	3.39		Fullerton.....				0.90		Wymore.....					
Warrensburg.....	110	60	87.1	2.00		Geneva.....	108	59	81.1	4.77		York.....	106	60	85.4	5.55	
Warrenton.....	113	60	87.4	1.38		Gering.....	105	49	78.7	1.20		<i>Nevada.</i>					
Wheatland.....				1.60		Gordon.....				2.80		Amos.....	100	31	69.8		
Willowsprings.....	107	51	80.3	1.19		Gosper.....				0.78		Austin.....	92	42	72.2*	0.51	
Windsor.....				1.28		Gothenburg.....	105	51	79.7	0.40		Belmont.....	93	43	70.4	0.36	
Zeitonia.....	111	51	83.8	1.46		Grand Island a*.....	108	68	85.5	1.85		Beowawe*.....	104	63	91.5	T.	
<i>Montana.</i>						Grand Island b.....	108	60	86.5	1.62		Candelaria.....	101	49	78.1	0.10	
Adel.....	90	25	60.4	1.33		Grand Island c'.....	111	57	86.2	0.74		Carlin*.....	102	50	71.8	0.80	
Anaconda.....	96	37	66.3	T.		Greeley.....				1.38		Carson City.....	97	35	68.8	T.	
Augusta.....	91	33	64.6	0.88		Guide Rock.....				0.20		Elko (near).....	98	30	67.1	0.50	
Billings.....	112	46	77.8			Halgier.....				1.66		Ely.....	97	38	71.0	0.36	
Boulder.....	97	32	66.8			Hartington.....	106	58	82.1	0.56		Fenelon*.....	100	48	74.0	T.	
Butte.....	92	33	65.4	0.55		Harvard.....	106	56	84.0	1.84		Goleconde*.....	100	60	82.8	0.00	
Canyon Ferry.....	104	37	74.0	0.51		Hastings*.....	105	68	86.3	3.25		Halleck*.....	109	49	73.6	0.00	
Chester.....	98	35	68.1	0.01		Hayes Center.....				0.58		Hamilton.....	93*	40	66.4*	T.	
Chinook.....	104	46	75.0	3.08		Hay Springs.....	108	47	78.2	1.68		Hawthorne.....	101	51	77.8	0.10	
Clemons.....	90	30	62.8	0.37		Hebron.....	108	57	84.6	2.59		Hot Springs*.....	109	70	87.3	0.00	
Corvallis.....	100	33	72.4	0.00		Hickman.....				4.05		Humboldt*.....	95	56	76.8	0.00	
Crow Agency.....	101	37	71.4	0.40		Holbrook.....				0.15		Lee.....				0.58	
Culbertson.....	104	45	73.6	1.66		Holdrege.....				0.50		Lewellen Ranch.....	100	38	69.6	T.	
Deerlodge*.....	108			1.75		Hooper*.....	104	66	82.8	3.75		Lovelock's a.....				0.00	
Dell.....	100	30	67.6	T.		Imperial.....	108	52	80.6	1.50		Lovelock's b.....	100	33	70.4	0.00	
Dillon.....	98	36	71.5	0.24		Johnstown.....				0.28		Martins.....	103	36	69.8	0.00	
Fort Benton.....	96	41	71.0	0.25		Kearney.....	106	54	84.6	2.05		Monitor Mill.....	93	34	70.1	1.00	
Fort Logan.....	94	32	65.4	0.70		Kennedy.....	108	47	82.0	0.39		Owyhee.....	99	33	68.4	0.50	
Glasgow.....	105	43	71.9	1.73		Kimball.....	103	48	76.4	2.04		Palisade*.....	104	51	78.8	0.33	
Glendive.....	110	60	75.4	3.65		Kirkwood*.....	104	62	80.0	0.97		Palmetto.....	95	33	68.8	1.19	
Glenwood.....	96	33	66.6	0.19		Laclede.....	107	57	84.0	1.72		Potts.....	100	40	69.4	0.76	
Greatfalls.....	95	42	70.8	1.39		Lena.....				1.18		Reno State University.....	97	36	70.4	T.	
Kipp.....	93	39	69.8	0.18		Lexington.....	103	54	80.7	0.87		Sodaville.....	104			T.	
Lewistown.....	97	34	68.1	2.00		Lodgepole.....	99	48	76.2	0.75		Tecoma*.....	110	50	75.2	0.00	
Livingston.....	106	43	73.3	0.30		Loup.....				1.64		Toano*.....	112	42	84.5	T.	
Manhattan.....	102*	29	69.6	T.		Lynch.....	104	48	79.3	2.01		Tybo.....	102	47	75.2	0.35	
Martinsdale.....	102	33	68.4	1.00		Lyons.....				1.32		Verdi*.....	92	42	82.0	0.00	
Marysville.....	94	40	67.5	0.71		McCook*.....	104	68	86.2	0.40		Wadsworth*.....	106	66	85.5	0.00	
Ovando.....	96	29	61.4	0.03		McCool.....				4.81		Wells*.....	99	66	79.1	0.00	
Parrot.....	103	37	71.0	0.39		Madison.....	103*	56	82.6			Wood.....	94	39	68.7	0.06	
Plains.....	95	36	65.6	0.15		Madrid.....				0.81		<i>New Hampshire.</i>					
Poplar.....	106	42	75.2	1.23		Marquette.....				2.39		Alstead.....	98	46	71.2	5.68	
Ridgeway.....	104	46	78.0	2.81		Mason City.....				1.00		Berlin Mills.....	97	38	67.9	3.95	
St. Pauls.....	95	38	69.5	1.75		Minden a.....	104	54	83.3	1.37		Bethlehem.....	92	48	68.2	4.94	
St. Peter.....	90	29	62.4	1.33		Monroe.....				0.58		Brookline*.....	99	58	74.3	4.46	
Troy.....	94	36	60.5	0.53		Nebraska City b*.....	104	70	87.5	2.87		Ch. tham.....	97	44	68.8	4.39	
Utica.....	102	37	69.1	1.97		Nebraska City c.....	105	68	86.6	2.35		Clarendon.....	98	48	72.4	4.24	
Wibaux.....	105	43	70.4	3.68		Nemaha*.....	110	70	89.8	1.52		Concord.....	97	46	71.9	4.51	
Yale.....	99	34	68.2	0.16		Nesbit.....	104	46	78.0	0.83		Durham.....	97	50	71.8	8.10	
<i>Nebraska.</i>						Norfolk.....	108	52	82.8	0.67		Franklin Falls.....	94	51	71.8	4.04	
Agate*.....	109	64	88.1	2.15		North Loup.....	104	57	82.4	1.86		Grafton.....	96	42	69.2	5.80	
Agree*.....	109	62	80.2	0.81		Oakdale.....	105	52	81.6	1.02		Hanover.....	96	45	70.8	5.13	
Albion.....	102	52	80.2			Odell.....				2.27		Keene.....	98	46	71.6	5.65	
Alliance.....	104	48	78.1	0.20		Ord.....				1.76		Littleton.....	94	43	68.4	5.75	
Alma.....	110	49	84.4	0.64		Osceola.....				2.36		Nashua.....	99	47	78.9	2.91	
Ansley*.....	105	47	80.4	0.66		Ough.....				1.35		Newton.....	94	46	70.6	3.25	
Arapahoe.....				0.60		Palmer.....				1.50		Peterboro.....	98	43	71.5	4.20	
Arborville*.....	110	67	84.3	0.91		Palmyra*.....	110	66	84.2	2.71		Plymouth.....	99	47	71.1	6.79	
Arcadia.....				4.50		Plattsmouth a.....				3.22		Sanbornton.....	95	49	69.8	4.81	
Arlington.....				2.92		Plattsmouth b.....	107	51	83.0	3.23		Stratford.....	97	41	68.7	4.40	
Ashland a.....	109	68	85.8	5.68		Pleasant Hill.....				2.99		<i>New Jersey.</i>					
Ashland b*.....	112	68	88.3	6.24		Ravenna a*.....	105	55	83.0	2.37		Asbury Park.....	95	60	75.7	4.88	
Ashton.....				1.05		Ravenna b*.....				3.02		Bayonne.....	104	58	78.0	5.20	
Auburn.....	109	57	86.1	2.42		Redcloud b*.....	106	55	84.2	2.30		Belvidere.....	102	56	78.2	3.66	
Aurora.....	103			1.73		Republican*.....	108	70	88.5	0.20		Bergen Point.....	103	60	77.0	6.33	
Bartley.....				1.08		St. Lib.				2.70		Beverly.....	106	57	78.8	7.39	
Beatrice.....	108	57	85.4	4.02		Salem*.....	106	56	82.6	0.84		Blairstown.....	104	58	78.8	4.87	
Beaver.....	110	53	86.4	1.30		Santee.....	105	74	87.8	1.22		Bridgeton.....	104	60	78.8	5.18	
Bellevue.....				2.26		Tablerock.....	106b	54</									

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
New Jersey—Cont'd.	°	°	°	Incs.	Incs.	New York—Cont'd.	°	°	°	Incs.	Incs.	North Carolina—Cont'd.	°	°	°	Incs.	Incs.
Layton	101	41	75.4	7.44		Elba	94	52	74.1	4.49		Hendersonville	94	57	75.0	5.23	
Moorestown	102	57	77.9	5.53		Elmira	101	55	76.7	4.28		Henrietta	95	66	79.8	4.86	
Mount Pleasant						Fayetteville	94	54	75.8	3.12		Highlands	84	54	68.4	7.76	
Newark	102	54	76.7	4.89		Franklinville	98	48	71.8	3.61		Horse Cove	88	60	72.6	8.16	
New Brunswick	106	57	78.6	8.33		Fulton						Kinston	100	66	82.1	6.25	
New Egypt						Gabriels	91	48	66.6	5.47		Lenoir	96 ¹	61 ¹	78.4 ¹	1.61 ¹	
Oceanic	99	58	75.4	8.27		Glens Falls	96	54	78.6	4.39		Linville	85	49	68.4	7.36	
Paterson	102	56	77.4	9.86		Gloverville	94	50	72.8	3.49		Littleton	101	63	79.5	7.36	
Perth Amboy	106	58	77.8	8.41		Greenwich	95	52	72.8	5.67		Louisburg	97	67	80.8	7.87	
Plainfield	104	54	77.4	5.96		Griffin Corners	94	44	71.6	3.63		Lumberton	97	68	81.6	6.54	
Rancocas						Haskinville						Marion	97	61	78.2	8.00	
Rivervale	103	49	75.8	5.57		Hemlock	92	51	74.6	2.07		Marshall					
Roseland	102	50	75.2	8.05		Honneda Lake						Mocksville	95	64	78.8	3.81	
Salem	107	59	80.0	5.17		Humphrey	92	47	70.4	3.55		Moncure	95	64	79.8	7.71	
Somerville	107	58	78.6	6.15		Indian Lake	91	42	68.8	4.65		Monroe	95	60	78.7	3.66	
South Orange	101	54	78.8	5.68		Ithaca	95	52	74.8	3.60		Morganton	98	61	78.2	1.90	
Sussex	100	52	76.4	6.82		Jay	100	42	70.2	3.84		Mountairy	94	61	77.6	4.78	
Three Bridges						Keene Valley	97	44	70.0	5.63		Murphy					
Toms River	100	52	76.6	4.83		King Ferry						Newbern	97	65	80.6	9.16	
Trenton	100	60	78.6	6.60		King Station						Oakridge	97	62	78.9	9.39	
Tuckerton	101	55	77.2	4.27		Liberty						Patterson	96	60	78.5	2.39	
Vineyard	105	57	79.0	4.55		Littlefalls, City Res.	91	50	78.0	3.74		Pittsboro	98	65	80.6	7.39	
Woodbine						Lockport						Redsprings	99	66	80.8	11.27	
Woodstown						Lowville	92	46	71.6	5.00		Rockingham	93	61	80.1	9.41	
New Mexico.						Lyndonville	92	46	71.6	3.61		Roxboro	97	64	79.8	5.73	
Alamagordo	107	58	82.6	1.47		Lyons	97 ^d	56 ^d	76.8 ^d	1.79		Salem	97	64	79.8	7.75	
Albert	102	59	77.6	8.21		Mayle						Salisbury	98	64	78.0	4.34	
Albuquerque	99	59	77.3	1.46		Meredith	92	49	71.1	3.54		Saxon	95	60	79.0	6.79	
Alma	99	51	75.4	4.87		Middletown	97	57	76.6	5.53		Sealma	101	65	81.2	9.10	
Aztec	100 ^e	58 ^e	80.9 ^e	0.09 ^e		Mohon Lake	93	54	72.8	4.46		Settle	96	64	80.4	9.04	
Bell ranch						Moirâ	94	43	70.0	3.13		Sloan	94	65	78.8	12.82	
Bluewater	102	40	74.0	2.50		Newark Valley						Soapstone Mount	95	68	77.8	7.57	
Cambray						New Lisbon	91	44	70.0	3.68		Southern Pines a.	100	63	82.2	18.23	
Carlsbad	102	60	80.2	2.86		New Rochelle	102	50	75.8	7.78		Southern P. nesb.	97	65	80.5	12.64	
Deming						North Hammond	92	50	72.1	3.87		Southport	92	69	81.0	8.51	
Dolores						Nurber Four	91	41	68.6	4.67		Springhope ^a	97	70	80.4	6.42	
East Las Vegas	85	57	70.5	3.70		Ogdensburg	92	53	71.4	3.79		Statesville	96	62	78.0	2.17	
Engle	99	58	77.4 ^a	2.47		Old Chatham						Tarboro	104	67	82.2	8.24	
Espanola	98	53	74.6	1.51		Oneonta	97	49	74.2	3.85		Washington	105	66	81.2	6.18	
Folsom	89	49	70.2	0.66		Oxford	93	48	72.8	3.93		Waynesville	90	51	71.6	2.94	
Fort Bayard	85	50	72.8	2.10		Palermo						Weldon a.	96	68	80.4	7.48	
Fort Union	92	48	68.9	2.75		Penn Yan	96	54	76.6	1.93		Weldon b.					
Fort Wingate	98	48	74.5	0.92		Perry City	97	47	73.5	5.39		North Dakota.					
Gage						Plattsburg Barracks	99	47	72.4	3.18		Amenia					
Galliteo	98	52	74.4	1.55		Port Byron	94	53	74.2	2.76		Ashley	106	40	78.0	2.70	
Gallinas Spring	98	56	76.8	3.77		Port Jervis	103	55	76.8	7.33		Berlin	104	46	71.4	4.19	
Horse Springs	96	48	70.8	3.27		Primrose	104	52	76.5	9.63		Cando	91	45	65.0	5.00	
Las Vegas	95	43	71.2	4.24		Redhook						Churchs Ferry	94	49	68.2	4.58	
Las Vegas Hot Springs	89	50	67.6	5.42		Richmondville	92	50	72.6	7.24		Coaharbor	108	49	71.2	5.08	
Lordsburg						Ridgeway	91	50	74.2	5.07		Devil's Lake	97	49	69.5	4.23	
Lower Penasco	55					Rome	94	52	73.1	3.75		Dickinson	108	45	74.0	8.69	
Mesilla Park	105	57	79.7	2.23		Romulus	95	53	75.5	4.10		Donnybrook					
Olio	105	46	79.7	T.		Salisbury Mills						Dunseith	91	42	67.2	4.31	
Raton	92	53	70.4	2.20		Saranac Lake	94	41	68.0	4.10		Edgeley	105	58	78.0	5.08	
Roswell	100	55	77.8	3.04		Saratoga Springs	93	52	78.6	4.12		Ellendale	104	50	74.4	4.83	
San Marcial	110	54	79.4	0.02		Schenectady	97	55	76.0	5.15		Falconer	107	48	78.3	8.09	
Socorro	102	58	80.8	1.98		Scottsville						Fargo	96	48	71.4	7.29	
Springer	97	49	71.9	4.98		Setauket	98	54	73.8	3.42		Forman	101	50	73.2	4.37	
Strauss						Shortsville	94	52	74.0	4.62		Fort Berthold	107	46	74.0	5.31	
Woodbury	98	51	74.8	3.84		Skaneateles						Fort Yates	110	46	76.2	1.18	
New York.						Southampton	91	53	72.8	4.13		Fullerton	105	48	72.3	3.51	
Adams						South Berlin						Gallatin	98	51	70.9	3.55	
Adison	98	52	76.0	2.01		South Canisteo	93	45	71.4	3.97		Hamilton	98	49	68.3	3.34	
Adirondack Lodge	88	39	66.2	7.32		Southeast Res.						Hannaford	97	50	69.2	6.72	
Akron						South Schroon	92	46	69.0	5.38		Jamestown	102	51	66.9	4.95	
Alden	94	51	73.9	2.62		Straits Corners	95	47	73.4	4.40		Larimore	96	50	67.5	3.38	
Angelica	95	42	72.2	3.34		Ticonderoga	94	50	72.6	4.56		McKinney	100	45	68.0	2.55	
Appleton	95	51	73.4	3.62		Volusia	90	53	72.8	2.01		Mayville	101	50	72.0	4.08	
Arcade	92	40	70.9	2.96		Walton	97	41	72.4	4.83		Medora	108	47	75.4	2.96	
Atlanta	94	48	72.1	7.59		Wappingers Falls	99	56	76.9	5.58		Meileville	98	51	70.5	6.74	
Atwell	89	49	68.6	6.34		Warwick						Milton	88	48	64.0	5.23	
Auburn	99	52	77.0	2.12		Watertown	94	50	73.0	3.75		Minnewaukon ^a	99	49	71.1	4.46	
Avon	95	50	74.4	3.23		Waverly	99	49	75.2	3.35		Minto	98	47	68.9	3.88	
Axton	93	84	65.4	4.51		Wedgwood	93	53	73.2	2.84		Napoleon	105	48	73.4	3.16	
Baldwinsville	90 ^a	54 ^a	77.4 ^a	3.69		Wells	96	45	71.4	5.56		New England	104	45	73.0	2.75	
Bedford a.	102	51	75.8	5.53		West Berne	94	47	72.8	5.87		Oakdale	96	47	70.4	3.04	
Blue Mountain Lake						West Chazy	96	41	70.8	2.00		Pembina	94	45	68.4	3.03	
Bolivar	96	46	71.5	4.75		Westfield b.	92	55	75.4	2.51		Portal	93	46	68.4	2.89	
Boyds Corners	91	51	72.2	3.54		Westfield c.	90	55	75.4	1.82		Power	101	41	71.2	8.14	
Brockport						Windham	95	46	72.5	3.64		Steele	104	49	72.4	5.65	
Caldwell	92	53	71.0	4.41		Wolcott											

TABLE II.—*Olmastological record of voluntary and other cooperating observers—Continued.*

Stations	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
<i>Ohio—Cont'd.</i>						<i>Ohio—Cont'd.</i>						<i>Oregon—Cont'd.</i>					
Binola	o	o	o	Ins.	Ins.	Tiffin	o	o	o	Ins.	Ins.	Pendleton	o	o	o	Ins.	Ins.
Bloomingburg	106	52	80.0	4.00		Upper Sandusky	94	53	77.0	4.69		Placer	108	40	70.4	0.44	
Bowling Green	98	50	76.4	4.42		Urbana	101	50	79.0	2.32		Prineville	98	29	65.0	0.43	
Bucyrus	103	53	78.0	3.20		Vanwert	96	56	77.7	4.51		Ridder's ¹	94	48	66.6	0.00	
Cambridge	98	52	78.0	3.63		Vermillion	100	50	78.2	1.63		Riverside	108	30	73.5 ⁴	T.	
Camp Dennison	109	50	80.8	1.33		Vickery	99	49	77.4	1.71		Shawko	98	28	62.7	T.	
Canan						Walnut						Sheridan ²	98	28	68.8	0.00	
Canal Dover	102	53	78.0	2.08		Warren	98	52	76.6	2.98		Silverton ³	95	26	66.5	0.25	
Canton	97	53	77.6	2.38		Warsaw	102	48	77.4	2.34		Siskiyou ²	95	41	64.7	0.10	
Cardington	98	51	76.7	2.05		Wauseon	101	51	78.4	2.86		Sparta	97	35	70.2	0.50	
Cedarville						Waverly	105	53	81.0	4.66		Springfield ²	90	51	64.8	0.00	
Celina	100	53	77.8	3.94		Waynesville	105	50	79.2	2.28		Stanford	87	41	69.5	0.19	
Chillicothe	108	53	81.4	2.07		Wellington	98	51	77.8	3.50		The Dalles	94	44	68.4	T.	
Circleville	102	54	79.0	1.39		Westerville	108	50	76.4	1.01		Toledo	79	40	57.7	0.25	
Clarksville	104	52	79.3	3.84		Willoughby						Umatilla				0.03	
Cleveland a.	98	56	76.2	4.50		Wooster	95	50	76.0	3.33		Vale	105	38	70.4	T.	
Cleveland b	97	56	77.7	4.41		Zanesville						Westfork ²	98	39	69.8	0.27	
Clifton	103	50	78.4	1.44		Oklahoma.						Weston	96	39	66.8	T.	
Coatlon	101	51	78.4	3.10		Arapaho	111	59	85.8	2.10		Williams	92	35	63.5	T.	
Colebrook	95	50	74.6	3.99		Beaver	108	63	85.0	1.36		Pennsylvania.					
Dayton a.						Blackburn	109	54	86.2	0.63		Aleppo	97	51	77.1	3.46	
Dayton b.	108	50	80.7	1.88		Burnett	106	54	84.6	0.26		Altoona	98	52	74.6	5.88	
Defiance	100	51	78.8	6.08		Chandler	105	62	85.8	4.60		Athens	99	50	74.9	3.82	
Delaware	102	50	77.8	3.81		Enid	108	64	87.9	8.70		Beaver Dam				2.53	
Demos	97	54	77.0	3.61		Fort Reno	106	60	85.9	0.36		Bellefonte	97	56	76.8	3.62	
Elyria	101	53	77.2	3.10		Fort Sill	104	63	84.9	1.55		Bethlehem				3.66	
Findlay	104	50	80.4	1.36		Hennessey	108	68	87.5	1.82		Brookville				2.73	
Frankfort	100	50	77.4	2.06		Jefferson	111	57	86.5	4.90		Browns Lock				5.14	
Fremont	97	54	78.2	2.92		Jenkins	103	60	88.7	1.86		Butler	95	53	75.6	3.86	
Garretttsville	97	49	75.6	3.31		Kenton	101	42	74.4	0.49		Cassandra	94	53	73.1	3.71	
Granville	101	50	78.1	3.21		Kingfisher	107	60	85.9	2.26		Centerhall	99	53	75.4	5.45	
Gratiot	97	54	77.8	2.42		Mangum	108	70	86.4	0.83		Coatesville	108	58	79.2	5.51	
Green	99	53	79.2	2.60		Newkirk	110	69	88.0	4.24		Confluence	99	55	76.7	3.55	
Greenfield	103	54	79.5	1.70		Norman	106	57	84.2	0.81		Davis Island Dam				2.46	
Greenhill	95	50	75.0	4.28		Pawhuska	107	57	86.2	1.50		Derry Station	101	54	78.7	4.43	
Greenville	101	52	78.6	1.38		Perry	107	57	86.2	1.79		Doylestown				7.20	
Hanging Rock	103	54	79.5	2.88		Prudence						Driftwood				8.68	
Hedges	108	55	79.0	1.89		Sac and Fox Agency	109	66	85.6	3.25		Duncannon				3.66	
Hillhouse	94	50	74.4	5.11		Shawnee	105	61	86.2	0.93		Dushore	98	47	78.4	5.24	
Hillsboro	102	51	78.4	2.85		Stillwater	105	60	86.2	1.48		East Bloomsburg				1.64	
Hiram	95	55	76.5	3.71		Taloga	111 ^d	60 ^d	89.4 ^d	0.81		East Mauch Chunk	102	56	77.4	3.61	
Hudson	100	50	76.5	3.31		Vittum	105	66	87.0	1.41		Easton	99	57	78.4	3.11	
Jacksonboro	109	58	82.2	0.55		Waukomis	108	61	88.1	3.03		Ellwood Junction				1.88	
Killbuck	98	52	76.4	2.69		Weatherford	108	65	87.1	0.07		Emporium	96	45	74.4	4.07	
Lancaster	99	52	77.6	2.10		Woodward	106	64	86.2	1.42		Ephrata	102	57	78.5	5.61	
Leipsic						Albany a ^{*1}	86	51	65.7	0.00		Everett	98	54	76.0	5.39	
Lima	100	48	78.0	1.16		Albany b						Forks of Neshaminy ²	92	64	76.8	7.34	
McConnellsville	98	54	78.1	5.40		Alpha	85	37	59.8	0.55		Franklin	98	48	74.1	3.87	
Manara	100	50	78.4	3.39		Arlington	98	49	71.0	T.		Freeport				2.93	
Mansfield						Ashland b	94	36	66.6	0.00		Girardville				3.21	
Marietta	98	57	79.2	2.92		Aurora ¹	85	51	66.8	0.00		Greensboro				2.59	
Marion	103	50	79.6	1.52		Aurora (near)	84	40	61.0	0.09		Hamburg				4.88	
Medina	98	51	76.8	4.11		Bay City	68	38	55.0	2.68		Hamilton	95	49	78.9	3.94	
Millfordton	99	50	77.2	1.48		Bend	91	29	60.3			Herra Island Dam				2.88	
Milligan	100	50	77.7	1.54		Beulah	107	28	70.6	0.00		Huntingdon	103	58	76.4	6.69	
Millport	95	52	76.7	2.08		Blalock	101	52	74.6	T.		Huntingdon b				5.20	
Montpelier	98	53	76.8	5.07		Brownsville ^a	92	50	66.1	0.00		Irwin				3.86	
Moorefield	100	58	77.4	2.84		Coquille						Johnstown	98	57	78.8	2.00	
Napoleon	97	53	77.6	2.98		Corvallis	81	44	60.8	0.53		Karthauss				1.28	
New Alexandria	100	54	78.6	2.95		Bullrun	97	29	68.1	0.00		Keating				3.90	
New Berlin	97	53	77.2	3.43		Burns	96	33	64.6	0.00		Kennett Square	101	60	78.4	4.21	
New Bremen	103	50	78.8	1.68		Burns (near)	90	50	68.0	0.18		Lansdale				6.58	
New Lexington						Cascade Locks	90	49	68.2	0.00		Lawrenceville	97			2.99	
New Paris	104	56	80.6	0.71		Comstock ²	91	49	68.2	0.03		Lebanon	101	58	78.2	3.61	
New Richmond	108	54	81.9	2.00		Coquille						Leroy	94	53	73.4	3.82	
New Waterford	94	54	76.4	2.65		Dayville	96	40	67.8	0.17		Lewisburg	100 ^c	56	77.4 ^c	5.02	
North Lewisburg	108	50	78.2	1.85		Ella						Lockhaven a	102	58	78.6	3.21	
North Royalton	99	51	77.1	4.12		Eugene	86	41	62.1	T.		Lock No. 4				4.30	
Norwalk	103	51	77.9	2.48		Fairview	79	39	59.2	0.24		Lycopus	98	55	76.2	3.91	
Oberlin	98	51	77.5	2.45		Falls City	98	38	60.0	0.06		Mifflin				4.25	
Ohio State University	108	50	76.1	0.82		Gardiner	73	40	58.1	0.10		Oil City				3.42	
Orangeville	97	48	74.2	2.75		Glenora	87	35	68.8	0.87		Ottaville				8.49	
Ottawa	102	50	78.8	3.82		Government Camp	92	35	59.6	0.70		Parker				2.39	
Pataksala	101	50	77.0	2.81		Grants Pass	96	35	66.4	0.16		Philadelphia	108	62	79.4	5.00	
Philo	90	53	78.7	2.55		Hare	75	43	55.8	0.28		Point Pleasant				8.00	
Plattsburg	108	50	78.4	6.63		Harris	90	40	68.4	0.83		Pottstown	101	61	80.4	5.51	
Pomeroy	102	55	80.2	0.98		Hood River (near)	94	43	64.2	T.		Pottsville				2.49	
Portsmouth ^a						Huntington	108	42	81.4	0.00		Quakertown	101	55	76.4	2.33	
Portsmouth ^b	108	56	81.9	4.02		Jacksonville	95	39	67.7	0.02		Reading ²				7.56	
Pulse						Joseph	91	31	61.8	0.02		Renovo a				3.31	
Red Lion																	

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
Pennsylvania—Cont'd.																	
Troutrun	90	50	55.6	5.66	In.	Oelrichs	108	46	78.4	0.70	In.	Texas—Cont'd	0	0	0	0	In.
Uniontown	95	50	77.8	2.38		Pine Ridge	105	44	79.5	1.54		Coleman	100	65	82.6	0.68	
Warren	93	50	73.6	6.00		Plankinton	105	51	79.0	0.88		College Station	106	62	82.0	6.00	
Wellsboro	96	54	74.2	2.27		Redfield	105	47	76.7	1.50		Columbia	103	59	83.0	0.60	
Westchester	100	60	78.4	6.65		Rochford	98	34	68.4	2.23		Comanche	108	70	82.8	0.51	
West Newton				4.03		Roebud	108	44	79.4	1.84		Corsicana	106	68	87.4	0.82	
Wilkesbarre	101	54	78.2	2.74		St. Lawrence	110	49	80.5	1.18		Cottulla	100	71	86.8	6.06	
Williamsport	97	63	79.6	3.20		Silver City						Cuero	106	68	86.4	0.47	
York	107	60	80.0	3.33		Sioux Falls	102	55	79.9	1.40		Dallas	100	70	88.6	5.58	
<i>Rhode Island.</i>						Sisseton Agency	93 ^d	54 ^d	72.8 ^d	1.76		Danevang	100	67	85.0	1.18	
Bristol	87	57	72.0	3.89		Spearfish	101	51	74.5	2.94		Dublin	104	73	84.0	2.61	
Kingston	93	51	73.0	4.05		Tyndall	105	58	83.2	0.66		Duval	107	67	86.6	1.94	
Pawtucket	97	57	81.7	2.88		Vermillion	108	56	88.9	1.57		Estelle	105	72	88.1	1.40	
Providence	99	58	77.9	2.93		Waubay	100	49	78.3	2.27		Fort Clark	102	72	88.2	1.90	
<i>South Carolina.</i>						Wentworth	102	52	77.8	2.60		Fort Ringgold					
Allendale	99	70	83.3	3.87		Wessington Springs	105	47	74.6	1.60		Fort Stockton					
Anderson	99	69	82.1	4.30		Wolsey						Fredericksburg					
Batesburg	102	68	82.6	0.82		<i>Tennessee.</i>						Gainesville	106	66	85.6	4.38	
Beaufort	96	72	81.5	4.48		Andersonville	100	53	79.3	0.20		Grapevine	107 ^d	60 ^d	86.7 ^d	1.84	
Blackville	101	69	82.6	2.97		Arlington	107	54	88.7	0.32		Greenville	108	65	87.0	1.69	
Calhoun Falls				3.09		Ashwood	106	54	88.4	2.00		Hale Center	102	61	77.4	3.23	
Camden				3.69		Benton	99	55	80.0	2.15		Hallettsville	101	72	85.0	3.69	
Cheraw ^a	96	67	80.4	6.20		Bluff City						Haskell	110	64	88.6	2.18	
Cheraw ^b				5.66		Bolivar	108	55	88.6	1.18		Hearne	102	74	87.3	0.55	
Clemson College	99	65	80.6	2.56		Bristol	95	56	76.4	7.14		Henrietta	106	64	87.4	2.01	
Conway				7.87		Brownsville	107	57	88.4	1.17		Hettitt					
Darlington				6.69		Byrdstown	98	58	78.8	3.21		Hondo					
Edisto				2.89		Carthage	108	54	81.6	2.29		Houston	100	72	84.3	4.39	
Evingham				4.10		Clarksville	104	57	88.8	0.25		Huntsville	98	69	84.4	2.35	
Florence	98	68	82.6	4.37		Clinton						Ira	105	68	82.8	4.73	
Gaffney				2.47		Covington	105	57	88.0	1.47		Jacksonville	108	60	82.5	1.86	
Georgetown	97	70	82.3	13.25		Decatur	103	58	81.2	0.67		Jasper	101	71	88.4	5.62	
Gillisonville	101	66	81.8	4.64		Dickson	102					Junction					
Greenville	93	65	77.9	4.51		Dover						Kent					
Greenwood	101	65	81.7	2.58		Dyersburg	107 ^d	57	88.1 ^d	1.15		Kerrville	99	61	78.4	3.74	
Kingstree ^a	94	66	80.3	2.33		Elizabethton	98	54	77.4	1.66		Kopperl					
Kingstree ^b				2.89		Elk Valley	99	52	77.5	2.98		Lampassas	104	63	84.6	1.30	
Liberty	95	66	79.1	6.89		Erasmus	98	45	74.2	4.31		Laureles Ranch					
Little Mountain	100	67	82.8	2.18		Florence	100	59	81.4	1.21		Llano ^c	104	74	85.9	1.90	
Longshore	102	66	82.0	5.51		Franklin	100	54	81.4	1.21		Longview	106	67	86.2	3.55	
Pinopolis ^a	94	63	79.4	3.93		Grace ^a	104	60	88.6	2.30		Luling	100	72	84.9	2.11	
St. Georges	96	69	81.2	5.22		Greeneville	97	55	76.6	3.60		Menardville	103	59	85.4	5.01	
St. Matthews	98	70	81.7	8.05		Harriman	99	54	79.4	3.19		Mount Blanco	108	57	80.4	1.05	
St. Stephens				8.70		Hohenwald	104	48	81.0	1.50		Nacogdoches	101	67	83.6	4.62	
Santuck	100	64	81.4	2.68		Iron City	102	59	80.5	1.98		New Braunfels	100	70	88.4	3.16	
Smith's Mills				6.65		Johnsonville	107	53	83.4	2.62		Paris ^c	108	67	85.8	5.35	
Society Hill	96	68	81.4	9.61		Jonesboro ^a	92	65	76.7	2.68		Port Lavaca	97	74	84.2	3.40	
Spartanburg	98	66	81.6	3.49		Kinston						Rhinelands	108	62	87.1	0.25	
Stateburg	96	68	81.8	4.27		Lafayette ^a	101	57	81.8	1.00		Rock Island	108	71	84.0	2.80	
Summerville	98	67	79.4	5.15		Lewisburg	104	53	83.4	3.58		Rockport	97	69	82.0	0.75	
Temperance	100	66	81.3	10.40		Liberty	104	51	81.7	2.13		Runge	105	70	84.7	3.81	
Trenton	98	72	82.3	3.33		Lynnville	102	56	80.8	2.11		Sanderson	102	70	85.5	1.10	
Trial	95	65	79.0	1.18		Maryville	104	62	81.6	2.68		San Marcos	102	69	85.5	5.40	
Walhalla	95	62	77.9	2.84		Milan	107	56	85.4	0.06		San Saba	107	62	86.3	0.95	
Winnabow	100	67	82.8	0.65		Newport	97	57	78.3	2.79		Santa Gertrudes Ranch					
Winthrop College	96	67	81.0	4.08		Nunnelly	104	49	81.6	1.12		Sherman	101	69	86.8	2.40	
Yemassee	99	69	82.6	4.64		Oakhill	98	50	78.1	1.58		Sugarland	101	70	83.4	1.96	
Yorkville	99	69	82.7	8.06		Palmetto	101	57	82.5	3.20		Sulphur Springs	105	64	84.8	3.89	
<i>South Dakota.</i>						Perryar	104	56	84.4	0.50		Temple ^b	105	72	86.5	0.97	
Aberdeen	107	48	77.3	2.43		Pope	106	50	82.8	1.38		Trinity	105	67	83.7	1.12	
Academy	108	51	81.2	1.92		Rogersville	91	53	77.0	2.72		Tyler	106	71	87.6	0.48	
Alexandria				2.88		Rutherford	99	50	77.3	3.48		Valentine	104	60	80.9	8.25	
Armour	104	50	79.4	2.16		Savannah	104	53	83.4	2.72		Victoria					
Ashcroft	109	44	74.8	0.96		Sewanee	94	55	77.6	1.39		Waco	105	73	88.2	T.	
Bowdrie	109	45	76.2	8.00		Silverlake	88	52	71.6	4.45		Waxahachie	106	68	81.8	0.85	
Brookings	103	48	78.2	1.68		Springdale	100	55	77.9	2.75		Weatherford	106	63	86.7	0.77	
Canton	106	50	81.2	0.48		Springfield	107	50	83.0	T.		Wichita Falls					
Centerville				1.45		Tazewell						Utah.					
Chamberlain	107	54	81.6	1.85		Tellion Plains	100	57	79.8	2.08		Alpine					
Clark	105	48	75.2	2.76		Tracy City	103	51	77.6	3.81		Aneth	104	50	81.6	1.05	
Desmet	104	50	76.2	0.88		Tullahoma	100	53	78.6	2.50		Blackrock	99	59	74.0	0.15	
Doland	106	44	77.8	2.31		Union City	107	58	88.7	2.25		Bluecreek ^a	100	58	80.7	0.10	
Elkpoint	103	57	81.2	1.14		Waynesboro	102	57	80.8	2.82		Castledale	97	56	89.3	0.82	
Fairingdale				2.25		Wildersville	100	55	81.4	1.63		Cisco	106	56	82.2	T.	
Faulkton	105	50	77.0	1.89		Yukon	101	59	81.2	3.35		Corinne	108	45	80.0	0.00	
Flandreau	102	49	76.6	1.04		<i>Texas.</i>						Coyote	95	38	66.9	0.72	
Forestburg	106	50	80.4	1.82		Alvin					</td						

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
<i>Utah—Cont'd.</i>						<i>Washington—Cont'd.</i>	0	0	0	Ins.	Ins.	<i>Wisconsin—Cont'd.</i>	0	0	0	Ins.	Ins.
Marysville	99	41	70.8	0.82	1.70	Dayton	104	32	68.6	0.24	Appleton	94	50	74.2	5.37		
Meadowville	95	34	69.0	0.03		East Sound	73	31	58.6	0.21	Ashland				6.44		
Millville						Ellensburg	90	40	64.0	0.00	Barron	102	42	74.1	5.10		
Minerville	101 ^a	46 ^b	76.7 ^c	0.86		Ellensburg (near)	94 ^d	42	66.5	T.	Bayfield	104	48	69.8	1.00		
Moab	102	48	76.6	0.89		Grandmound	81	41	61.2	0.43	Beloit	105	48	80.2	2.13		
Mount Pleasant	100	45	74.9	0.19		Granite Falls					Brohead	111	44	81.3	3.83		
Ogden ^{a, 1}	104	68	82.2	T.		Hooper	102	43	71.0	0.83	Butternut	95	41	68.4	5.41		
Park City	98	38	71.0	0.90		Iwaco	74	44	68.9	2.48	Chilton	100	42	74.2	4.74		
Parowan	99	45	74.4	0.04		Lacenter	89	42	68.3	0.20	Citypoint	100	32	76.1	4.30		
Pinto	96	38	70.3	0.80		Lakeside	92	50	69.9	0.00	Darlington	104	42	76.8	4.40		
Promontory						Lind	100	35	73.2	0.60	Dodgeville	107	44	78.6	4.28		
Provo	104	39	75.8	T.		Mayfield	86	38	61.6	0.68	Easton	106	47	77.3	3.71		
Richfield	101	48	75.2	0.14		Monte Cristo	84	35	58.0	1.97	Eau Claire	108	50	76.8	4.01		
St. George	110	52	82.8	0.48		Mottinger Ranch	103	50	73.0	0.05	Florence	98	37	68.7	9.17		
Scipio	106	39	76.9	1.13		Mount Pleasant	84	43	61.8	0.81	Grand River Locks				5.45		
Snowville	103	32	72.6	0.20		Moxee Valley	98	39	67.9	0.08	Grantsburg	103	43	73.6	3.49		
Soldier Summit						Northport	99	36	68.3	2.15	Hartland	108	48	77.7	3.48		
Terrace						Oiga	72	41	57.6	0.39	Harvey	107	47	79.4	1.37		
Thistle	106	33	74.6	0.11		Olympia	84	37	60.5	0.49	Hayward	103	39	72.0	4.00		
Tooele	100	51	78.8	0.85		Pasco	106	55	79.4	0.00	Hillsboro	106	44	76.8	3.58		
Tropic	95	32	67.5	1.20		Pinehill	95	42	67.0	T.	Koepnick	95	34	70.0	7.80		
Vernal	100	42	76.0	0.21		Pomeroy				Ladysmith	98	46	73.5	1.21			
Wellington	102	41	68.7	0.88		Port Townsend	74	42	57.6	0.16	Lancaster	107	42	79.8	1.66		
<i>Vermont.</i>						Pullman	95	39	66.1	0.67	Madison	104	58	79.6	1.64		
Burlington	98	55	73.8	2.39		Republic	96	37	63.8 ^b	1.51 ^c	Manitowoc	97	45	70.2	4.28		
Chelsea	91	45	68.0	3.95		Ritzville				Meadow Valley	104	46	75.6	7.40			
Cornwall	96	51	72.2	4.61		Rosalia	94	37	62.9	0.91	Medford	103	40	78.0	4.75		
Enosburg Falls	96	40	69.2	3.84		Sedro	80	31	58.7	0.91	Menasha				5.09		
Hartland	93	44	69.3	3.39		Silvana	78	38	59.3	0.79	Nellisville	100	44	76.1	5.37		
Jacksonville	95	42	70.5	3.81		Snohomish	78	36	58.9	0.43	New London	100	47	74.2	6.23		
Manchester	90	45	70.8	6.06		Snoqualmie	87	30	57.5	1.15	North Crandon	95	35	67.4	9.36		
Norwich	97	43	69.8	4.81		Southbend	61	34	57.4	1.17	Oconto	99	56	75.5	3.09		
St. Johnsbury	98	44	69.5	4.96		Sprague				Osceola	105	44	74.0	3.79			
Vernon ^{a, 6}	98	59	74.6	5.24		Stampede				Oshkosh	97	51	76.6	5.55			
Wells	95	52	71.8	3.88		Sunnyside	97	44	68.8	0.10	Pepin	103	60	82.4	2.11		
Woodstock	96	40	70.3	3.50		Twin	68	40	59.6	0.60	Pine River	99	49	74.4	4.17		
<i>Virginia.</i>						Union	83	39	61.9	0.41	Portage	106	48	79.6	2.44		
Alexandria	104	65	80.8	9.82		Vancouver	82	42	61.4	1.18	Port Washington	103	42	71.0	4.16		
Ashland	103	65	81.8	6.82		Vashon	78	42	60.0	0.38	Prairie du Chien ^a	110	50	82.9	2.68		
Barboursville	93	62	79.7	5.89		Waterville	94	38	65.6	0.25	Prairie du Chien ^b				2.45		
Bedford	99	60	80.8	5.07		Wenatchee (near)	91	43	64.4	0.02	Prentice	95	40	71.7	6.14		
Bigstone Gap	95	55	76.5	3.84		Whatoom	73	37	58.7	0.34	Racine	107	46	76.0	0.86		
Birds nest ^a						Wilbur	93	34	62.0	0.55	Shawano	98	48	73.0	4.52		
Blacksburg	93	58	74.0	4.61						Sheboygan	101	48	71.7	3.39			
Bon Air	99	66	80.2	8.86						Stevens Point	101	45	74.8	4.01			
Buckingham	103	58	79.6	3.49						Viroqua	103	46	76.2	7.28			
Burkes Garden	88	47	70.4	3.76						Watertown	104	45	77.4	5.02			
Callaway	96	68	80.3	3.44						Waukesha	103	54	78.0	2.01			
Charlottesville	97	62	79.0	7.23						Waupaca	100	46	75.0	5.30			
Clarksville										Wausaukee	100	39	71.7	6.23			
Columbia	108	62	81.0	5.60						West Bend	101	34	76.8	3.88			
Dale Enterprise	95	58	74.4	4.83						Wyoming.							
Danville										Alcova	107	44	77.8	1.27			
Farmville	102	63	82.2	4.20						Basin				0.05			
Fontella	99	61	80.0	6.90						Bedford	97	39	68.6	0.14			
Fredericksburg	100	66	81.2	5.33						Bitter Creek	110	36	72.1	3.00			
Grahams Forge										Buffalo	103	45	73.0	0.55			
Hampton	98	69	80.6	5.80						Burlington	105	46	73.8	0.85			
Hot Springs	90	50	72.4	3.79						Casper	103	45	76.0	2.87			
Lincoln	98	62	79.4	5.12						Centennial	87	34	65.6	1.00			
Manassas	99	63	80.0	5.80						Chugwater	100	39	70.8	0.92			
Marion	96	52	75.2	3.64						Evanston	92	31	64.6	0.82			
Newport News	103	70	82.8	6.04						Fort Laramie	106	43	76.4	1.62			
Petersburg	100	65	81.0	3.64						Fort Washakie	97	40	70.8	T.			
Quantico	104	52	76.1	4.98						Fort Yellowstone	96	30	67.4	0.80			
Radford										Fourbear	92	32	66.0	0.88			
Salem										Griggs	103	44	73.8	1.09			
Spears Ferry										Haityville	104	41	75.1	0.00			
Spottsville	101	66	81.4	4.63						Iron Mountain	95	40	70.4	2.41			
Standardsville	99	60	78.8	5.51						Laramie	92	44	67.8	0.32			
Staunton	96	57	78.2	5.39						Leo	94	33	68.2	1.03			
Stephens City	108	58	80.2	3.82						Lusk	97	45	73.8	0.05			
Warsaw	99	65	77.9	7.26						Moore	97	31	65.2	1.14			
Westpoint	98	62	78.5	7.70						Myersville	97	28	67.6	T.			
Williamsburg	96	66	79.8	5.72						Parkman	107	37	73.3	0.42			
Woodstock	98	61	79.0	3.50						Pinebluff	99	44	72.9	1.00			
Wytheville	95	53	75.4	3.67						Rawlins	98	33	70.0	0.47			
<i>Washington.</i>										Saratoga	97	34	71.2	0.19			
Aberdeen	74	37	85.7	1.45						Sheridan	105	39	72.5	0.68			
Anacortes										Springhill	100	47	75.4	1.05			
Ashford										Thermopolis	105	45	76.4	0.28			
Bremerton	84	40	81.2	0.28						Wheatland	105	50	77.4	0.77			
Brinnon	77	43	80.7	0.13						<i>Cuba.</i>							
Buchanan's Farm										Aguacate	95	71	84.4	9.65			
Cedonia	88	40	83.7	1.47						Alvarez				4.74			
Centerville	93	35	84.6	T.						Anstralia	94 ^a	68	81.2 ^b	8.66			
Cheney				0.05						Banaguises	92	68	78.9	18.45			
Clearwater	70	40	86.6	2.12						Batabano	99	69	83.2	3.44			
Cle Elum	90	25	61.3	T.													

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
<i>Cuba—Cont'd.</i>	°	°	°	Ins.	Ins.	<i>Porto Rico—Cont'd.</i>	°	°	°	Ins.	Ins.	<i>Oregon.</i>	°	°	°	Ins.	Ins.
Holguin	95	68	81.0	2.94	6.62	Utuado	96	68	79.8	6.48	Bullrun	84	43	55.6	5.17	Ins.
Isabel, Guantanamo	Yauco	91	68	79.8	9.78	Washington
Limonar	4.51	Mexico.	Mayfield	92d	37	53.0	4.97
Los Canos	96	60	80.4	2.76	6.89	Ciudad P. Diaz	108	74	88.9	0.49	Porto Rico
Magdalena	96	68	81.9	6.98	6.98	Coatzacoalcos	98	68	80.0	24.20	Hacienda Coloso	95	66	79.6	11.50
Morón Trocha	96	74	88.6	8.84	6.98	Leon de Aldamas	88	56	70.8	3.19	.....	.....	.....	.....	.....	.....
Nuevitas	100	69	85.6	2.50	6.98	Puebla	78	54	65.8	6.52	.....	.....	.....	.....	.....	.....
Pinar del Río	98	70	81.2	10.92	6.88	Tampico	92	78	81.8	8.64	.....	.....	.....	.....	.....	.....
Romelia, Guantanamo	98	68	80.6	7.30	6.88	Vera Cruz	95	70	81.6	16.18	.....	.....	.....	.....	.....	.....
San Ceyetano	98	71	78.2	9.76	6.88	<i>New Brunswick.</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sancti Spiritus	98	70	81.1	9.68	6.88	St. John	89	48	63.8	1.48	.....	.....	.....	.....	.....	.....
Santa Cruz del Sur	98	70	81.1	9.68	6.88	<i>Isthmus of Panama.</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Soledad	93	67	79.4	8.34	6.88	Alajuela	91	70	77.4	7.95	.....	.....	.....	.....	.....	.....
Soledad, Guantanamo	98	65	79.8	6.95	6.88	La Boca	88	75	81.5	9.75	.....	.....	.....	.....	.....	.....
Unión de Reyes	98	73	88.1	5.18	6.88	<i>Late reports for June, 1901.</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Yaguajay	91	69	80.4	18.97	6.88	<i>Alaska.</i>	°	°	°	Ins.	Ins.
Yateras .....	.....	.....	.....	.....	.....	Fort Liscom	67	32	49.6	1.13	.....	.....	.....	.....	.....	.....
<i>Porto Rico.</i>	.....	.....	.....	.....	.....	Fort Yukon	85	26	58.6	0.41	.....	.....	.....	.....	.....	.....
Adjuntas	85	60	75.2	11.59	6.88	Holy Cross Mission	70	23	51.9	0.85	.....	.....	.....	.....	.....	.....
Aguilre	90	70	81.0	9.17	6.88	Juneau	69	39	58.2	2.13	.....	.....	.....	.....	.....	.....
Arecibo	91	69	78.5	5.68	6.88	Kensai	69	26	50.8	0.06	.....	.....	.....	.....	.....	.....
Barros .....	.....	.....	.....	18.18	.....	St. Michael	61	23	40.8	.....	.....	.....	.....	.....	.....	.....
Bayamon	95	68	80.9	9.70	6.88	Wood Island	73	37	51.2	4.50	.....	.....	.....	.....	.....	.....
Caguas	98	67	78.8	28.35	6.88	<i>Arkansas.</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Canovanas	90	72	80.4	17.43	6.88	Dutton	92	46	74.2	3.18	.....	.....	.....	.....	.....	.....
Cayeys	94	62	79.2	16.07	6.88	<i>California.</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cidra	93	60	77.0	18.51	6.88	Jackson	97	38	66.4	0.08	.....	.....	.....	.....	.....	.....
Joámo	95	69	81.4	8.81	6.88	Kernville .....	.....	.....	.....	0.00	.....	.....	.....	.....	.....	.....
Comerio	90	68	78.5	11.25	6.88	<i>Idaho.</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Corozal	98	66	78.8	16.41	6.88	Garnet	101	35	68.4	.....	.....	.....	.....	.....	.....	.....
Fajardo	91	71	81.1	16.01	6.88	<i>Illinois.</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Guayaná .....	.....	.....	.....	11.08	.....	Danville	96	39	78.5	2.00	.....	.....	.....	.....	.....	.....
Hacienda Coloso	95	66	79.2	8.60	6.88	Carrollton	98	55	76.4	4.54	.....	.....	.....	.....	.....	.....
Hacienda Perla	90	70	79.4	89.87	6.88	Sugartown	99	.....	.....	4.87	.....	.....	.....	.....	.....	.....
Humacao	98	64	76.3	14.76	6.88	Ludington	95	.....	.....	0.56	.....	.....	.....	.....	.....	.....
Isabela	98	70	80.4	4.01	6.88	Conception .....	.....	.....	.....	2.44	.....	.....	.....	.....	.....	.....
La Isolina	98	67	76.8	9.14	6.88	New York	Westfield c	40	66.2	.....	.....	.....	.....	.....	.....	.....
Las Marías	98	67	79.0	6.99	6.88	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Manati	95	68	80.5	8.40	6.88	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mayagüez	98	67	80.0	17.06	6.88	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Morovis	93	67	78.4	18.19	6.88	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ponce	98	58	75.5	6.39	6.88	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
San Lorenzo	98	64	76.4	11.08	6.88	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
San Salvador	90	65	76.6	6.88	6.88	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Santa Isabel	98	71	80.0	6.79	6.88	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

EXPLANATION OF SIGNS.

* Extremes of temperature from observed readings of dry thermometer.

A numeral following the name of a station indicates the hour of observation from which the mean temperature was obtained, thus:

1 Mean of 7 a. m. + 2 p. m. + 9 p. m. + 4 p. m. + 4.

2 Mean of 8 a. m. + 8 p. m. + 2.

3 Mean of 7 a. m. + 7 p. m. + 2.

4 Mean of 8 a. m. + 6 p. m. + 2.

5 Mean of 7 a. m. + 2 p. m. + 2.

6 Mean of readings at various hours reduced to true daily mean by special tables.

7 Mean from hourly readings of thermograph.

8 Mean of sunrise and noon.

10 Mean of sunrise, noon, sunset, and midnight.

The absence of a numeral indicates that the mean temperature has been obtained from daily readings of the maximum and minimum thermometers.

An italic letter following the name of a station, as "Livingston a," "Livingston b," indicates that two or more observers, as the case may be, are reporting from the same station. A small roman letter following the name of a station, or in figure columns, indicates the number of days missing from the record; for instance "14" denotes 14 days missing.

No note is made of breaks in the continuity of temperature records when the same do not exceed two days. All known breaks, of whatever duration, in the precipitation record receive appropriate notice.

CORRECTIONS.

June, 1901, Paris, Idaho, make mean temperature read 55.5 instead of 61.5; Port Austin, Mich., cut out precipitation.

NOTE.—The following changes have been made in names of stations: New Jersey, Deckertown, changed to Sussex; Oklahoma, Prudence, changed to Lyons.

TABLE III.—Resultant winds from observations at 8 a. m. and 8 p. m., daily, during the month of July, 1901.

Stations.	Component direction from—				Resultant.		Stations.	Component direction from—				Resultant.	
	N.	S.	E.	W.	Direction from—	Duration.		N.	S.	E.	W.	Direction from—	Duration.
<i>New England.</i>					o	Hours.						o	Hours.
Eastport, Me.	20	14	9	31	n. 75 w.	22	La Crosse, Wis.	7	19	6	4	s. 9 e.	12
Portland, Me.	18	28	13	23	s. 61 w.	10	Davenport, Iowa	9	28	27	14	s. 43 e.	19
Northfield, Vt.	23	27	7	6	n. 45 e.	1	Des Moines, Iowa	14	24	18	24	s. 31 w.	13
Boston, Mass.	11	23	20	24	s. 20 w.	12	Dubuque, Iowa	12	33	19	14	s. 14 e.	21
Nantucket, Mass.	10	23	17	23	s. 18 w.	19	Keokuk, Iowa	11	28	20	17	s. 10 e.	17
Block Island, R. I.	8	23	19	26	s. 25 w.	17	Cairo, Ill.	12	33	15	23	s. 18 w.	22
New Haven, Conn.	13	30	13	23	s. 33 w.	20	Springfield, Ill.	12	27	17	21	s. 15 w.	16
<i>Middle Atlantic States.</i>					o	Hours.	Hannibal, Mo.	8	16	9	13	s. 17 w.	14
Albany, N. Y.	19	20	8	14	s. 29 w.	12	St. Louis, Mo.	9	26	20	18	s. 7 e.	17
Binghamton, N. Y.†	10	3	19	13	n. 8 w.	7	<i>Missouri Valley.</i>						
New York, N. Y.	13	24	20	28	s. 15 w.	11	Columbia, Mo.	8	18	10	6	s. 39 e.	6
Harrisburg, Pa.†	10	3	6	18	n. 60 w.	14	Kansas City, Mo.	10	35	15	15	s. r.	25
Philadelphia, Pa.	16	23	17	24	s. 49 w.	9	Springfield, Mo.	9	41	18	9	s. 16 e.	33
Scranton, Pa.	15	23	14	25	s. 54 w.	14	Lincoln, Nebr.	7	41	25	4	s. 32 e.	40
Atlantic City, N. J.	10	23	13	29	s. 43 w.	25	Omaha, Nebr.	11	33	27	6	s. 44 e.	30
Cape May, N. J.	7	32	14	23	s. 20 w.	27	Valentine, Nebr.	13	28	21	13	s. 28 e.	17
Baltimore, Md.	16	23	17	26	s. 49 w.	11	Sioux City, Iowa†	5	14	13	5	s. 38 e.	11
Washington, D. C.	19	23	12	16	s. 24 w.	10	Pierre, S. Dak.	18	28	26	5	s. 55 e.	26
Lynchburg, Va.	9	24	18	29	s. 36 w.	19	Huron, S. Dak.	19	20	32	9	s. 58 e.	23
Norfolk, Va.	8	33	15	14	s. 2 e.	30	Yankton, S. Dak.†	4	12	9	11	s. 14 w.	8
Richmond, Va.	15	20	12	25	s. 43 w.	19	<i>Northern Slope.</i>						
<i>South Atlantic States.</i>					o	Hours.	Havre, Mont.	31	14	21	26	n. 36 w.	9
Charlotte, N. C.	14	26	19	28	s. 41 w.	18	Miles City, Mont.	29	14	23	8	n. 45 e.	21
Hatteras, N. C.	4	39	13	28	s. 25 w.	38	Helena, Mont.	15	24	7	33	s. 70 w.	27
Raleigh, N. C.	10	23	10	26	s. 40 w.	28	Kalispell, Mont.	12	8	18	38	s. 61 w.	25
Wilmington, N. C.	5	36	6	31	s. 89 w.	40	Rapid City, S. Dak.	17	22	20	17	s. 31 e.	6
Charleston, S. C.	8	36	5	21	s. 30 w.	32	Cheyenne, Wyo.	15	22	13	25	s. 60 w.	14
Augusta, Ga.	12	30	10	24	s. 38 w.	28	Lander, Wyo.	13	25	11	29	s. 56 w.	23
Savannah, Ga.	7	37	8	25	s. 30 w.	34	North Platte, Nebr.	9	31	26	10	s. 36 e.	27
Jacksonville, Fla.	4	35	28	12	s. 27 e.	35	<i>Middle Slope.</i>						
<i>Florida Peninsula.</i>					o	Hours.	Denver, Colo.	14	31	11	23	s. 35 w.	21
Jupiter, Fla.	5	26	42	3	s. 62 e.	44	Pueblo, Colo.	26	18	12	26	n. 47 w.	19
Key West, Fla.	7	16	50	0	s. 80 e.	51	Concordia, Kans.	7	47	8	4	s. 6 e.	40
Tampa, Fla.	17	16	38	4	n. 88 e.	34	Dodge, Kans.	6	58	30	4	s. 39 e.	41
<i>Eastern Gulf States.</i>					o	Hours.	Wichita, Kans.	5	45	16	5	s. 15 e.	43
Atlanta, Ga.	18	24	18	21	s. 27 w.	7	Oklahoma, Okla.	5	48	11	6	s. 7 e.	43
Macon, Ga.†	9	15	7	4	s. 23 e.	8	<i>Southern Slope.</i>						
Pensacola, Fla.†	16	6	11	8	n. 17 e.	10	Abilene, Tex.	7	35	34	4	s. 47 e.	41
Mobile, Ala.	24	24	14	16	w.	2	Amarillo, Tex.	8	45	17	18	s. 5 e.	42
Montgomery, Ala.	16	23	18	20	s. 16 w.	7	<i>Southern Plateau.</i>						
Meridian, Miss.†	7	15	9	10	s. 7 w.	8	El Paso, Tex.	22	7	43	5	n. 69 e.	41
Vicksburg, Miss.	17	24	16	22	s. 41 w.	43	Santa Fe, N. Mex.	13	21	36	2	s. 77 e.	35
New Orleans, La.	17	24	17	20	s. 23 w.	8	Flagstaff, Ariz.	23	18	8	36	n. 65 w.	35
<i>Western Gulf States.</i>					o	Hours.	Phoenix, Ariz.	15	10	28	19	n. 61 e.	10
Shreveport, La.	10	29	29	10	s. 45 e.	27	Yuma, Ariz.	4	37	8	27	s. 30 w.	38
Fort Smith, Ark.	11	21	31	8	s. 67 e.	25	Independence, Cal.	13	30	14	21	s. 23 w.	18
Little Rock, Ark.	11	31	15	21	s. 17 w.	21	<i>Middle Plateau.</i>						
Corpus Christi, Tex.	4	39	27	8	s. 28 e.	40	Carson City, Nev.	4	24	5	41	s. 61 w.	40
Fort Worth, Tex.	8	43	21	6	s. 21 e.	43	Winnemucca, Nev.	13	19	8	36	s. 76 w.	29
Galveston, Tex.	8	37	27	12	s. 28 e.	33	Modena, Utah.	6	23	1	45	s. 70 w.	47
Palestine, Tex.	5	41	16	10	s. 10 e.	36	Salt Lake City, Utah.	17	27	23	12	s. 45 e.	14
San Antonio, Tex.	8	34	41	1	s. 57 e.	48	Grand Junction, Colo.	14	17	27	20	s. 67 e.	8
<i>Ohio Valley and Tennessee.</i>					o	Hours.	<i>Northern Plateau.</i>						
Chattanooga, Tenn.	15	24	18	21	s. 18 w.	10	Baker City, Oreg.	23	29	12	12	s. r.	7
Knoxville, Tenn.	23	22	12	20	n. 88 w.	8	Boise, Idaho.	19	23	10	29	s. 78 w.	19
Memphis, Tenn.	15	27	12	23	s. 43 w.	16	Lewiston, Idaho†	2	1	29	0	n. 88 e.	23
Nashville, Tenn.	19	23	18	24	s. 70 w.	12	Pocatello, Idaho.	8	34	15	20	s. 11 w.	26
Lexington, Ky.†	3	17	7	10	s. 12 w.	14	Spokane, Wash.	6	32	17	19	s. 4 w.	36
Louisville, Ky.	15	29	17	17	s.	14	Walla Walla, Wash.	8	40	4	20	s. 27 w.	36
Evansville, Ind.†	8	14	7	5	s. 18 e.	6	<i>North Pacific Coast Region.</i>						
Indianapolis, Ind.	23	23	15	16	n. 45 w.	11	Astoria, Oreg.	26	17	2	37	n. 76 w.	36
Cincinnati, Ohio.	16	23	24	16	s. 49 e.	11	Neah Bay, Wash.	7	16	5	48	s. 77 w.	39
Columbus, Ohio.	17	24	16	21	s. 35 w.	9	Port Crescent, Wash.†	0	3	5	25	s. 81 w.	20
Pittsburg, Pa.	20	15	10	82	n. 77 w.	23	Seattle, Wash.	19	19	13	24	w.	11
Parkersburg, W. Va.	19	24	14	17	s. 31 w.	6	Tacoma, Wash.	23	11	8	27	n. 55 w.	29
Elkins, W. Va.	21	23	12	21	s. 84 w.	9	Portland, Oreg.	28	15	9	33	n. 62 w.	27
<i>Lower Lake Region.</i>					o	Hours.	Roseburg, Oreg.	43	3	12	15	n. 4 w.	40
Buffalo, N. Y.	11	20	19	27	s. 42 w.	12	Eureka, Cal.	29	13	6	31	n. 56 w.	30
Oswego, N. Y.	15	21	16	20	s. 34 w.	7	Mount Tamalpais, Cal.	20	6	2	47	n. 73 w.	47
Rochester, N. Y.	14	18	16	29	s. 73 w.	14	Red Bluff, Cal.	16	29	24	11	s. 45 e.	18
Erie, Pa.	14	11	16	34	s. 81 w.	18	Sacramento, Cal.	5	45	7	23	s. 21 w.	43
Cleveland, Ohio.	17	28	14	16	s. 10 w.	11	San Francisco, Cal.	0	26	0	49	s. 62 w.	56
Sandusky, Ohio.	18	23	19	26	s. 38 w.	11	<i>South Pacific Coast Region.</i>						
Toledo, Ohio.	13	21	16	25	s. 48 w.	12	Fresno, Cal.	38	3	2	42	n. 49 w.	53
Detroit, Mich.	19	21	15	24	s. 77 w.	9	Los Angeles, Cal.	3	15	8	46	s. 72 w.	40
<i>Upper Lake Region.</i>					o	Hours.	San Diego, Cal.	23	18	7	34	n. 82 w.	27
Alpena, Mich.	19	16	21	21	n.	3	San Luis Obispo, Cal.	16	13	4	33	n. 84 w.	28
Escanaba, Mich.	28	20	10	14	s. 27 w.	9	<i>West Indies.</i>						
Grand Haven, Mich.	14	24	17	19	s. 11 w.	10	Basseterre, St. Kitts Island.	17	4	53	0	n. 76 e.	54
Houghton, Mich.†	5	6	15	12	s. 72 e.	3	Bridgetown, Barbados.	14	9	50	2	n. 84 e.	48
Marquette, Mich.	21	17	15	27	n. 72 w.	13	Cienfuegos, Cuba.	28	5	40	4	n. 58 e.	43
Port Huron, Mich.	24	18	17	19	n. 18 w.	6	Grand Turk, Turks Island, W. I.†	0	10	26	0	s. 69 e.	28
Sault Ste. Marie, Mich.	9	18	27	22	s. 51 e.	6	Havana, Cuba.	5	9	53	0	s. 86 e.	53
Chicago, Ill.	17	21	23	17	s. 56 e.	7	Kingston, Jamaica.	47	1	22	2	n. 25 e.	51
Milwaukee, Wis.	23	15	17	19	n. 14 w.	8	Port of Spain, Trinidad.	10	9	44	4	n. 88 e.	40
Green Bay, Wis.	21	24	16	15	s. 18 e.	3	Puerto Principe, Cuba.	19	9	44	2	n. 77 e.	43
Duluth, Minn.	23	7	20	10	n. 36 e.	32	Roseau, Dominica, W. I.	16	14	38	8	n. 86 e.	30
<i>North Dakota.</i>					o	Hours.	San Juan, Porto Rico.	2	11	55	0	s. 81 e.	56
Moorhead, Minn.	22	16	29	15	n. 67 e.	15	Santiago de Cuba, Cuba.	30	13	33	2	n. 60 e.	36
Bismarck, N. Dak.	22	11	32	9	n. 64 e.	26	Santo Domingo, S. Domingo, W. I.	5	8	56	0	s. 87 e.	56
Williston, N. Dak.	20	20	23	8	e.	18	Willemstad, Curaçao.						
<i>Upper Mississippi Valley.</i>					o	Hours.							
St. Paul, Minn.	22	19	23	11	n. 76 e.	12							

* From observations at 8 p. m. only.

† From observations at 8 a. m. only.

TABLE IV.—*Thunderstorms and auroras, July, 1901.*

States.	No. of stations.	Days.																														Total.					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					
Alabama.....	53	T.	2	9	8	4	...	6	4	4	...	1	...	...	2	6	5	8	7	5	6	5	7	4	2	1	3	4	1	1	4	7	111	26	T.	
Arizona.....	56	A.	1	1	1	1	1	3	1	7	1	1	1	1	2	4	3	5	8	18	13	13	16	12	13	14	12	13	9	7	0	0	A.				
Arkansas.....	57	T.	4	1	2	6	13	2	1	...	...	1	5	4	12	8	9	10	8	10	9	7	8	1	2	4	3	1	3	12	5	146	27	A.		
California.....	167	A.	...	...	...	...	...	...	...	2	2	...	...	...	...	...	...	...	...	...	2	1	2	2	...	...	...	...	...	...	...	...	...	25	10	A.
Colorado.....	81	T.	7	13	1	1	1	1	18	16	11	9	1	5	6	10	8	7	6	2	3	10	15	9	22	22	19	16	8	9	13	...	268	30	A.		
Connecticut.....	21	T.	10	9	1	8	4	7	1	...	6	1	1	...	5	6	2	...	2	3	4	0	0	A.
Delaware.....	5	T.	2	1	...	...	1	2	2	1	...	1	...	...	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	23	17	T.
Dist. of Columbia	4	T.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16	16	A.	
Florida.....	47	T.	4	8	4	5	5	1	4	6	5	6	3	1	5	6	4	4	9	7	7	7	8	5	4	1	...	5	2	1	1	1	1	129	29	A.	
Georgia.....	55	T.	16	5	...	1	5	4	4	6	1	1	5	5	14	10	19	13	18	18	13	9	8	1	7	13	7	7	12	8	12	235	28	A.			
Idaho.....	34	T.	2	1	...	...	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	37	15	T.
Illinois.....	92	T.	19	24	29	20	3	1	1	...	1	1	1	1	1	17	4	20	7	...	1	2	27	13	6	27	12	19	...	...	...	...	...	255	21	A.
Indiana.....	68	T.	5	14	16	6	5	1	...	...	1	1	1	1	5	8	13	3	...	2	1	4	10	2	1	4	10	6	...	117	20	T.				
Indian Territory.	11	T.	...	...	...	...	...	...	...	...	1	1	3	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16	13	T.
Iowa.....	149	T.	33	18	20	16	6	...	8	1	1	10	4	...	2	6	7	7	1	...	6	9	23	17	3	26	40	19	12	...	294	24	A.				
Kansas.....	77	T.	7	10	1	11	9	2	...	...	1	4	9	18	16	12	4	1	13	7	2	3	22	26	18	26	18	1	...	230	24	A.				
Kentucky.....	41	T.	6	8	8	11	2	2	1	...	...	1	3	12	10	4	10	9	11	7	7	9	7	9	8	7	4	7	3	5	1	7	209	31	A.	
Louisiana.....	46	T.	8	8	12	6	8	10	5	1	3	6	2	1	12	10	4	10	9	11	7	7	9	7	9	8	7	4	7	3	5	1	0	0	A.		
Maine.....	19	T.	1	14	11	...	2	...	1	1	1	1	11	2	...	1	2	14	21	16	7	1	10	3	...	18	6	2	...	2	5	7	58	11	A.
Maryland.....	48	T.	8	15	13	21	2	29	9	8	1	11	2	...	1	15	1	...	3	24	16	8	15	13	2	2	1	...	1	4	16	...	234	26	A.		
Massachusetts.....	48	T.	21	7	4	4	6	5	...	1	15	1	...	...	...	3	24	16	8	15	13	2	2	1	...	1	4	16	...	170	22	A.				
Michigan.....	106	T.	4	8	5	27	22	2	2	8	8	...	1	1	11	11	1	1	1	19	2	10	25	18	16	17	10	4	...	...	245	26	A.			
Minnesota.....	67	A.	11	4	13	27	9	1	2	11	3	5	1	11	2	...	4	10	6	6	2	4	1	5	9	17	20	12	20	13	3	...	229	26	A.		
Mississippi.....	44	T.	6	8	9	2	9	10	4	2	1	2	1	3	...	1	5	11	12	12	4	12	8	5	8	4	2	...	4	1	3	7	159	29	A.		
Missouri.....	95	T.	19	15	7	11	16	1	...	1	1	1	1	7	31	6	24	30	39	26	18	5	1	30	35	17	5	29	35	21	43	86	...	509	27	T.	
Montana.....	40	T.	2	7	5	4	...	4	12	1	8	1	11	4	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	84	17	A.
Nebraska.....	142	T.	24	10	8	25	3	1	8	3	4	7	2	...	1	3	12	15	5	11	1	2	2	2	19	13	14	9	24	13	9	10	...	258	25	A.	
Nevada.....	40	T.	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	3	4	6	2	4	2	...	4	7	34	10	A.	
New Hampshire.....	19	T.	7	1	1	2	6	7	...	...	2	...	...	...	...	...	13	12	2	1	2	...	...	...	...	...	...	...	...	...	...	2	2	60	14	A.
New Jersey.....	51	A.	25	27	16	19	28	16	14	...	1	11	2	6	7	12	22	15	11	...	4	15	3	5	1	...	13	23	11	18	...	325	0	A.			
New Mexico.....	31	T.	9	6	4	1	3	4	2	1	...	1	3	7	8	5	9	10	8	7	5	6	7	8	10	10	6	10	4	6	...	178	29	A.			
New York.....	99	T.	1	18	16	22	26	30	19	5	...	4	1	1	1	3	...	3	3	17	10	8	5	1	3	1	38	37	14	5	...	285	25	A.			
North Carolina.....	56	T.	5	9	7	1	3	18	8	16	6	2	3	6	...	17	16	20	10	16	13	7	2	1	8	8	7	12	10	7	6	10	18	...	265	30	A.
North Dakota....	48	T.	3	6	8	1	...	2	2	2	3	1	4	2	...	1	...	...	...	...	...	5	3	2	3	2	4	1	...	55	0	A.				
Ohio.....	128	T.	20	14	32	46	37	6	...	1	1	8	1	1	6	28	35	38	15	...	1	12	2	11	21	28	10	8	26	13	6	411	21	A.			
Oklahoma.....	23	T.	...	...	1	...	...	...	...	1	...	2	3	3	1	2	4	1	2	5	...	1	2	3	4	2	1	3	3	1	43	18	A.			
Oregon.....	74	T.	2	...	...	...	...	...	1	...	2	1	...	...	...	...	...	...	...	...	1	...	1	...	1	...	1	...	1	...	1	10	0	8	0	A.
Pennsylvania.....	91	T.	1	1	20	18	6	18	11	5	...	17	1	2	3	12	24	28	11	1	...	1	8	3	...	10	15	5	8	18	8	20	...	275	27	A.	
Rhode Island.....	7	T.	4	3	...	1	1	1	...	...	...	...	...	...	...	...	2	1	5	1	2	1	3	1	...	1	...	1	...	1	...	1	...	23	11	A.
South Carolina.....	46	T.	5	1	...	1	3	8	7	2	...	2	3	5	13	12	13	11	15	12	7	4	5	...	6	10	10	4	2	5	12	...	171	26	A.		
South Dakota....	56	T.	6	4	8	1	...	4	8	3	1	1	1	1	5	7	4	4	4	...	...	7	6	11	7	11	6	...	104	0	A.					
Tennessee.....	56	T.	8	9	6	4	4	13	8	3	...	1	3	5	5	15	8	1	...	4	1	2	2	3	4	4	4	8	4	...	180	26	A.				
Texas.....	95	T.	...	1	2	3	7	4	1	4	4	2	1	1	4	...	1	3	6	3	9	6	3	4	5	6	1	2	2	6	...	93	0	A.			
Utah.....	47	T.	1	...	...	...	...	9	14	13	1	2	...	...	...	...	9	8	...	2	...	1	13	13	10	11	9	9	5	8	6	8	8	138	18	A.
Vermont.....	16	T.	1	4	1	1	2	8	9	8	...	2	1	...	38	11	A.
Virginia.....	50	T.	4	14	9	9	7	15	...	10	2	5	2	3	5	8	9</td																				

TABLE V.—Accumulated amounts of precipitation for each 5 minutes, for storms in which the rate of fall equaled or exceeded 0.25 in any 5 minutes, or 0.75 in 1 hour during July, 1901, at all stations furnished with self-registering gages.

Stations.	Date.	Total duration.		Total amt. of precip.	Excessive rate.		Amount before exces- sive began.	Depths of precipitation (in inches) during periods of time indicated.													
		From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
Albany, N. Y.	6	.	.	0.68	.	.	.	.	.	.	.	.	0.58	.	.	.	.	.	0.65	.
Alpena, Mich.	5	.	.	0.67	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Atlanta, Ga.	18	6.30 p.m.	8.45 p.m.	1.99	7.14 p.m.	8.25 p.m.	0.02	0.21	0.36	0.39	0.49	0.57	0.70	0.86	1.11	1.27	1.32	1.64	1.96	.	
Do.	26	6.12 p.m.	8.52 p.m.	1.33	6.19 p.m.	7.05 p.m.	T.	0.09	0.30	0.38	0.47	0.57	0.66	0.84	0.93	1.07	1.12	1.20	1.81	.	
Atlantic City, N. J.	19	.	.	0.46	.	.	.	.	.	.	.	.	.	.	.	.	.	0.46	.	.
Baltimore, Md.	23	6.00 p.m.	7.00 p.m.	1.95	6.00 p.m.	6.35 p.m.	0.00	0.31	0.80	1.18	1.54	1.77	1.85	1.91	1.94	1.94	1.94	1.94	1.94	.	
Binghamton, N. Y.	5	8.54 a.m.	11.40 a.m.	1.24	9.50 a.m.	10.20 a.m.	0.02	0.04	0.25	0.55	0.90	0.99	1.04	1.06	1.10	1.17	1.21	1.21	1.21	1.21	
Bismarck, N. Dak.	24-25	.	.	0.93	T.	.	.	.	.	.	.	.	.	.	.	.	.	0.64	.	.
Boise, Idaho	25	.	.	0.81	.	.	.	.	.	.	.	.	.	.	.	.	.	0.37	.	.
Boston, Mass.	29	.	.	0.58	.	.	.	.	.	.	.	.	.	.	.	.	.	0.37	.	.
Buffalo, N. Y.	5	8.05 p.m.	9.15 p.m.	1.18	8.15 p.m.	8.45 p.m.	0.02	0.23	0.53	0.83	0.98	1.01	1.10	1.11	1.15	.	.	.	.	.
Cairo, Ill.	5	10.42 a.m.	1.35 p.m.	1.21	10.59 a.m.	1.11 a.m.	0.01	0.08	0.12	0.16	0.43	0.70	0.90	0.93	.	.	.	.	.	.
Do.	30	1.07 a.m.	8.10 a.m.	3.23	6.15 a.m.	7.30 a.m.	1.21	0.25	0.44	0.47	0.69	0.76	0.85	1.01	1.21	1.43	1.54	1.54	2.00	.	
Charleston, S. C.	9	2.55 p.m.	5.23 p.m.	1.57	3.05 p.m.	0.05	0.08	0.15	0.28	0.39	0.53	0.59	0.66	0.75	1.07	1.16	1.48	.	.		
Chicago, Ill.	1	1.38 p.m.	5.45 p.m.	1.56	3.14 p.m.	3.35 p.m.	0.40	0.29	0.57	0.77	0.98	1.04	1.07	.	.	.	.	.	.	.
Cincinnati, Ohio	30	6.10 p.m.	10.05 p.m.	1.23	6.30 p.m.	7.00 p.m.	0.01	0.19	0.32	0.40	0.48	0.59	0.73	0.76	0.81	.	.	.	.	.
Cleveland, Ohio	4	7.40 p.m.	D. N.	1.54	7.50 p.m.	T.	0.07	0.44	0.74	.	1.12	1.20	1.23	1.34	1.39	.	.	.	0.64	.	
Columbia, Mo.	17	.	.	0.92	.	.	.	.	.	.	.	.	.	.	.	.	.	0.47	.	.
Columbus, Ohio	15	.	.	0.56	.	.	.	.	.	.	.	.	.	.	.	.	0.01	.	.	
Denver, Colo.	27	.	.	0.01	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.
Des Moines, Iowa	1	8.15 p.m.	5.15 p.m.	0.78	8.18 p.m.	T.	0.49	0.64	0.73	0.24	0.40	0.60	0.67	.	.	.	.	*	.	.
Detroit, Mich.	26-27	10.45 p.m.	5.40 a.m.	1.61	12.15 a.m.	12.50 a.m.	0.16	0.08	0.15	0.20	0.24	0.40	0.60	0.67
Dodge, Kans.	28	.	.	1.02	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.
Duluth, Minn.	4	.	.	1.18	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.
Eastport, Me.	16	.	.	0.15	.	.	.	.	.	.	.	.	.	.	.	.	0.15	.	.	
Elkins, W. Va.	6	.	.	0.84	.	.	.	.	.	.	.	.	.	.	.	.	0.54	.	.	
Erie, Pa.	16	.	.	0.73	.	.	.	.	.	.	.	.	.	.	.	.	0.47	.	.	
Escanaba, Mich.	5	D. N.	7.40 a.m.	1.81	4.20 a.m.	4.55 a.m.	0.81	0.12	0.26	0.37	0.48	0.62	0.73	0.81	.	.	.	.	.	.
Evansville, Ind.	30	.	.	0.16	.	.	.	.	.	.	.	.	0.16	.	.	.	.	.	.	.
Fort Worth, Tex.	31	8.15 p.m.	11.45 p.m.	0.77	8.18 p.m.	T.	0.06	0.10	0.20	0.37	0.58	0.63	.	.	.	.	.	.	.	.
Fresno, Cal.	30	.	.	0.01	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Galveston, Tex.	23	6.10 a.m.	2.10 p.m.	3.07	10.30 a.m.	11.15 a.m.	0.40	0.24	0.74	1.18	1.54	1.94	2.20	2.35	2.48	2.52	2.55	.	.	.	
Grand Junction, Colo.	10	.	.	0.06	.	.	.	.	.	.	.	0.04	.	.	.	.	.	.	0.85	.
Harrisburg, Pa.	11	.	.	0.35	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Hatteras, N. C.	10-11	7.00 a.m.	6.55 a.m.	4.11	12.50 a.m.	1.40 a.m.	0.06	0.11	0.16	0.33	0.36	0.43	0.56	0.62	0.62	0.62	0.62	0.62	0.62	0.62	
Huron, S. Dak.	28	.	.	0.14	.	.	.	0.14	.	.	.	.	.	.	.	.	.	.	.	.
Indianapolis, Ind.	17	.	.	0.71	.	.	.	.	.	.	.	.	.	.	.	.	0.40	.	.	
Jacksonville, Fla.	1	3.40 p.m.	8.10 p.m.	1.26	3.55 p.m.	4.35 p.m.	0.01	0.08	0.33	0.52	0.70	0.84	1.00	1.13	1.17	1.30	.	.	.		
Jupiter, Fla.	6	2.35 p.m.	7.10 a.m.	1.44	4.30 p.m.	4.55 p.m.	0.62	0.08	0.17	0.34	0.59	0.74	.	.	.	.	.	.	.	.
Kalispell, Mont.	3	.	.	0.93	.	.	.	.	.	.	.	.	.	.	.	.	0.17	.	.	
Kansas City, Mo.	29	.	.	1.16	.	.	.	.	.	.	.	.	.	.	.	.	0.48	.	.	
Key West, Fla.	22	7.02 a.m.	1.35 p.m.	1.79	10.15 a.m.	10.50 a.m.	0.79	0.26	0.48	0.85	0.71	0.79	0.86	0.93	0.95	.	.	.	.	.
Knoxville, Tenn.	6	.	.	0.47	.	.	.	.	.	.	.	.	.	.	.	.	0.27	.	.	
Lexington, Ky.	3	2.10 p.m.	2.50 p.m.	0.79	2.18 p.m.	2.30 p.m.	T.	0.82	0.64	0.72	0.78	0.78	.	.	.	.	.	.	.	.
Lincoln, Nebr.	1-2	4.35 p.m.	D. N.	1.49	4.40 p.m.	5.30 p.m.	T.	0.16	0.23	0.34	0.49	0.55	0.61	0.79	0.95	1.04	1.15	1.20	.		
Little Rock, Ark.	5	.	.	0.49	.	.	.	.	.	.	.	.	.	.	.	.	0.49	.	.	
Los Angeles, Cal.	8	4.30 p.m.	5.07 p.m.	0.95	4.30 p.m.	5.05 p.m.	0.00	0.15	0.33	0.39	0.57	0.81	0.90	0.95	.	.	.	.	.	.
Louisville, Ky.	3	6.31 p.m.	10.05 p.m.	1.38	6.31 p.m.	7.05 p.m.	0.00	0.10	0.26	0.47	0.67	0.89	1.10	1.18	1.20	1.22	1.24	.	.		
Macon, Ga.	15	.	.	0.50	.	.	.	.	.	.	.	.	.	.	.	.	0.50	.	.	
Memphis, Tenn.	30	.	.	0.34	.	.	.	.	.	.	.	.	.	.	.	.	0.34	.	.	
Meridian, Miss.	25	1.20 p.m.	2.33 p.m.	0.74	1.39 p.m.	2.05 p.m.	T.	0.38	0.44	0.49	0.59	0.66	0.69	0.72	.	.	0.62	.	.		
Milwaukee, Wis.	3	.	.	0.80	.	.	.	.	.	.	.	.	.	.	.	.	0.51	.	.	
Montgomery, Ala.	2	.	.	0.53	.	.	.	.	.	.	.	.	.	.	.	.	0.51	.	.	
Nantucket, Mass.	29	.	.	0.18	.	.	.	0.10	.	.	.	.	.	.	.	.	.	.	.
Nashville, Tenn.	18	1.45 p.m.	8.05 p.m.	0.82	1.57 p.m.	2.20 p.m.	T.	0.19	0.47	0.62	0.73	0.78	0.80	0.84	.	.	0.40	.	.		
New Haven, Conn.	30	10.53 a.m.	2.40 p.m.	1.07	11.32 a.m.	12.10 p.m.	0.08	0.13	0.26	0.46	0.57	0.68	0.75	0.80	0.84	.	.	.	.	.
New Orleans, La.	15-16	10.50 p.m.	12.25 a.m.	1.53	11.05 p.m.	11.45 p.m.	0.02	0.05	0.09	0.14	0.23	0.43	0.91	1.27	1.35	1.38	1.41	1.51	.		
Do.	18	4.05 p.m.	8.30 p.m.	1.98	4.10 p.m.	4.40 p.m.	0.02	0.19	0.50	0.80	0.88	1.28	1.51	1.56	1.59	.	.	.	.	.
New York, N. Y.	19	11.45 a.m.	4.35 p.m.	3.19	12.30 p.m.	1.15 p.m.	0.02	0.10	0.44	0.62	0.82	1.23	1.51	1.77	1.91	2.00	2.03	.	.		
Norfolk, Va.	5	2.08 p.m.	4.29 p.m.	2.03	2.08 p.m.	3.25 p.m.	T.	0.38	0.63	0.80	0.89	1.03	1.07	1.07	1.07	1.08	1.16	1.29	1.70	2.01	
Northfield, Vt.	8	2.56 p.m.	6.05 p.m.	0.90	8.50 p.m.	8.50 p.m.	0.00	0.28	0.38	0.38	0.38	0.38	0.38	0.38	0.45	0.57	0.78	0.86	.		
Oklahoma, Okla.	24	D. N.	5.35 p.m.	2.10	12.40 p.m.	1.40 p.m.	0.65	0.08	0.14	0.19	0.28	0.38	0.44	0.48	0.55	0.62	0.67	0.77	.	.	
Omaha, Nebr.	16	.	.	0.78	.	.	.	.	.	.	.	.	.	.	.	.	0.69	.	.	
Parkersburg, W. Va.	15	.	.	0.92	.	.	.	.	.	.	.	.	.	.	.	.	0.19	.	.	
Philadelphia, Pa.	4	7.48 p.m.	8.32 p.m.	0.54	8.00 p.m.	8.15 p.m.	T.	0.18	0.43	0.51	0.53	.	.	.	.	.	.	.	.
Do.	25	7.30 p.m.	9.43 p.m.	0.88	7.45 p.m.	8.10 p.m.	T.	0.12	0.23	0.32	0.45	0.51	0.54	0.57	.	.	0.65	.	.		
Pittsburg, Pa.	31	.	.	0.79	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pocatello, Idaho	13	.	.	T.	.	.	.	.	.	.	.	.	.	.	.	.	0.53	.	.	
Portland, Me.	17	.	.	0.53	.	.	.	.	.	.	.	.	.	.	.	.	0.08	.	.	
Portland, Oreg.	2	.	.	0.09	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pueblo, Colo.	2	7.30 p.m.	9.45 p.m.	0.57	7.38 p.m.	7.48 p.m.	T.	0.27	0.43	0.51	0.53	0.55	.	.	.	.	.	.	.
Raleigh, N. C.	8	2.30 p.m.	3.15 p.m.	0.90	2.40 p.m.	3.00 p.m.	T.	0.07	0.24	0.60	0.8										

TABLE V.—Accumulated amounts of precipitation for each 5 minutes, etc.—Continued.

*Self register not working.

TABLE VI.—Data furnished by the Canadian Meteorological Service, July, 1901.

Stations.	Pressure.			Temperature.			Precipitation.			Stations.	Pressure.			Temperature.			Precipitation.		
	Mean not reduced.	Mean reduced.	Departure from normal.	Mean.	Departure from normal.	Mean max- imum.	Mean min- imum.	Total.	Departure from normal.	Depth of snow.	Mean not reduced.	Mean reduced.	Departure from normal.	Mean max- imum.	Mean min- imum.	Total.	Departure from normal.		
St. Johns, N. F.	Ins.	Ins.	Ins.	o	o	o	o	Ins.	Ins.	Ins.	Parry Sound, Ont.	Ins.	Ins.	Ins.	o	o	Ins.	Ins.	
Sydney, C. B. I.	29.87	29.91	.00	65.0	+ 2.7	75.9	54.2	1.40	- 8.10	29.26	29.98	+ .01	69.5	+ 3.5	79.2	59.7	7.90	+ 5.47	
Halifax, N. S.	29.82	29.93	+ .01	67.5	+ 4.1	77.8	57.1	1.58	- 2.67	29.24	29.92	+ .03	64.0	+ 2.0	73.5	54.6	6.24	+ 3.23	
Grand Manan, N. B.	29.87	29.92	- .01	65.0	+ 3.8	78.8	56.6	1.13	- 2.73	29.10	29.89	- .01	69.2	+ 3.3	80.2	58.8	3.12	+ 0.10	
Yarmouth, N. S.	29.88	29.96	+ .08	68.6	+ 3.1	70.9	51.3	2.75	- 0.33	28.14	29.88	+ .08	67.0	+ 4.3	77.7	56.8	2.35	+ 0.29	
Charlottetown, P. E. I.	29.86	29.90	- .01	68.3	+ 2.7	78.4	53.8	1.25	- 2.73	27.67	29.85	- .08	66.2	+ 2.7	77.3	55.1	5.47	+ 3.03	
Chatham, N. B.	29.85	29.87	- .01	67.6	+ 2.6	78.9	56.8	1.51	- 3.19	Medicine Hat, Assin.									
Father Point, Que.	29.81	29.84	- .01	57.9	+ 0.8	66.8	49.0	1.08	- 2.14	Swift Current, Assin.									
Quebec, Que.	29.56	29.90	+ .03	67.6	+ 3.1	77.9	57.3	3.45	- 0.51	Calgary, Alberta	26.38	29.88	+ .08	58.9	+ 1.7	72.2	45.6	8.90	+ 1.33
Montreal, Que.	29.72	29.82	+ .04	71.0	+ 2.5	79.2	62.8	5.27	+ 0.70	Banff, Alberta	25.36	29.90	- .01	55.5	+ 1.1	70.0	41.1	8.84	- 0.40
Bissett, Ont.	29.85	29.94	+ .05	67.0	+ 1.4	81.9	53.2	3.15	- 0.97	Edmonton, Alberta	27.60	29.84	- .07	60.9	+ 0.8	71.5	50.8	11.18	+ 8.08
Ottawa, Ont.	29.62	29.98	+ .08	71.8	+ 2.3	88.3	61.4	8.18	- 0.19	Prince Albert, Sask.	28.31	29.80	- .07	68.1	+ 1.2	78.6	52.6	4.49	+ 2.76
Kingston, Ont.	29.62	29.98	+ .08	70.6	+ 2.4	77.5	65.7	8.56	- 0.30	Battleford, Sask.	28.17	29.85	- .08	63.6	+ 1.1	74.7	52.5	1.96	- 0.82
Toronto, Ont.	29.57	29.94	.00	73.8	+ 5.8	84.2	68.3	8.37	- 0.40	Kamloops, B. C.	28.66	29.90	- .05	67.1	+ 1.4	81.8	53.0	0.42	- 0.63
White River, Ont.	28.66	29.97	+ .01	68.2	+ 3.7	77.1	49.3	3.30	- 0.01	Victoria, B. C.	29.98	30.08	- .03	57.4	+ 2.6	68.9	50.9	0.19	- 0.21
Port Stanley, Ont.	29.34	29.96	- .01	72.6	+ 4.8	86.4	72.7	3.69	+ 0.14	Barkerville, N. W. T.	25.66	29.90		51.9	+ 3.3	64.2	39.6	5.88	+ 0.24
Saugeen, Ont.	29.26	29.95	+ .03	69.9	+ 5.2	78.2	61.5	4.80	+ 2.27	Hamilton, Bermuda	29.97	30.13	+ .08	61.7	+ 3.3	88.7	74.7	2.43	- 2.36

TABLE VII.—Heights of rivers referred to zeros of gages, July, 1901.

Stations.	Distance to mouth of river.	Danger line on gage.	Highest water.		Lowest water.		Mean stage.	Monthly range.	Stations.	Distance to mouth of river.	Danger line on gage.	Highest water.		Lowest water.		Mean stage.	Monthly range.	
			Height.	Date.	Height.	Date.						Height.	Date.	Height.	Date.			
<i>Mississippi River.</i>									<i>Tennessee River—Cont'd.</i>									
St. Paul, Minn.....	1,954	14	7.2	11-13	3.0	30, 31	6.0	3.3	Johnsonville, Tenn.....	95	24	8.2	1	2.2	31	4.3	6.0	
Reeds Landing, Minn.....	1,884	12	5.8	10, 11	3.0	31	4.7	2.8	Carthage, Ky.....	516	50	8.2	6	1.0	29, 30	2.0	2.2	
La Crosse, Wis.....	1,819	12	7.2	11-14	4.6	31	6.3	2.6	Nashville, Tenn.....	805	40	3.4	1, 2	0.6	29, 30	1.8	2.8	
Prairie du Chien, Wis.....	1,758	18	7.2	14, 15	4.4	31	6.0	2.8	Clarksville, Tenn.....	189	40	5.8	1	1.4	28-30	2.9	4.4	
Dubuque, Iowa.....	1,639	15	7.3	14-17	4.8	31	6.2	2.5	Wichita, Kans.....	126	42	8.1	1	1.7	30	4.1	6.4	
LeClaire, Iowa.....	1,609	10	4.5	17-19	2.9	1, 3	3.8	1.6	Webbers Falls, Ind. T.....	832	10	1.0	1, 2	1.3	21-31	1.4	0.6	
Davenport, Iowa.....	1,588	15	5.4	16-19	8.6	1-4	4.6	1.8	Fort Smith, Ark.....	485	23	1.9	1	1.6	6-8, 13-11	1.6	0.8	
Muscatine, Iowa.....	1,562	16	6.5	17-20	4.7	2-4	5.7	1.6	Dardanelle, Ark.....	403	23	1.8	1-5	0.6	28-31	1.2	1.2	
Gallaudet, Iowa.....	1,472	8	2.9	19, 20	2.0	1-9	3.4	0.9	Little Rock, Ark.....	256	21	1.8	1	0.4	22-30	0.9	1.4	
Keokuk, Iowa.....	1,483	15	4.6	18-22	2.9	1-5	3.8	1.7	White River.....	178	23	3.5	1	1.1	27	2.1	2.4	
Hannibal, Mo.....	1,402	13	5.4	21	3.7	6.7	4.6	1.7	Newport, Ark.....	150	26	0.9	1-3	0.0	30, 31	0.4	0.9	
Grafton, Ill.....	1,306	23	6.8	23, 24	5.5	8.9	6.1	1.3	Yazoo River.....	80	25	0.4	9, 10	-1.4	31	-0.6	1.8	
St. Louis, Mo.....	1,264	30	14.1	1	8.2	30, 31	10.7	5.9	Red River.....	70	25	0.4	9, 10	-1.4	31	-0.6	1.8	
Chester, Ill.....	1,189	30	11.5	1	6.2	31	8.3	3.2	Arthur City, Tex.....	638	27	9.3	29	4.3	20-25	5.1	5.0	
New Madrid, Mo.....	1,008	34	22.8	2, 3	9.7	31	14.7	18.1	Fulton, Ark.....	515	28	6.8	1	4.3	23, 24	5.8	2.5	
Memphis, Tenn.....	848	33	19.2	4.5	5.8	31	11.8	18.4	Shreveport, La.....	337	29	6.4	1	1.2	31	8.1	5.2	
Helena, Ark.....	767	42	26.8	5.6	10.4	31	17.9	16.4	Alexandria, La.....	118	33	5.0	1	-0.6	29-31	1.8	5.6	
Arkansas City, Ark.....	635	43	27.3	7	10.5	31	18.5	16.8	Osage River.....	Camden, Ark.....	304	29	3.5	19	8.1	14-17, 25-27	3.2	0.4
Greenville, Miss.....	595	42	23.4	7.8	8.7	31	15.4	13.7	Monroe, La.....	123	40	1.7	3	0.0	13-21, 24-31	0.5	1.7	
Vicksburg, Miss.....	474	45	24.8	9	9.0	31	17.5	15.8	Atchafalaya River.....	Melville, La.....	100	31	21.4	12, 13	10.6	31	17.2	10.8
New Orleans, La.....	108	16	8.2	10	4.3	30, 31	6.0	3.9	Susquehanna River.....	Wilkesbarre, Pa.....	188	14	0.0	1-4	-1.4	23-25	0.9	1.4
<i>Missouri River.</i>									Harrisburg, Pa.....	69	17	3.1	1	1.5	26, 29-31	2.0	1.6	
Bismarck, N. Dak.....	1,309	14	7.8	8	4.0	30, 31	5.7	3.8	W. Br. of Susquehanna.....	Williamsport, Pa.....	39	20	3.1	1	0.7	23-25	1.4	2.4
Pierre, S. Dak.....	1,114	14	9.0	1	5.4	31	6.8	3.6	Juniata River.....	Huntingdon, Pa.....	90	24	5.0	16	3.0	14, 15, 25-31	3.5	2.0
Sioux City, Iowa.....	784	19	12.5	3	8.4	31	10.8	4.1	Potomac River.....	Harpers Ferry, W. Va. t.....	172	16	4.0	19	0.0	8-7, 11-18	1.4	4.0
Omaha, Nebr.....	669	18	12.4	4	9.1	31	10.4	3.3	James River.....	Lynchburg, Va.....	260	18	3.8	17	0.7	30, 31	2.0	3.1
Plattsmouth, Nebr.....	641	18	7.4	6	4.4	31	5.8	3.0	Roanoke River.....	Richmond, Va.....	111	12	2.0	18, 20	-1.2	6-8	0.8	3.2
St. Joseph, Mo.....	481	10	7.7	6	4.0	24	5.4	3.7	Cape Fear River.....	Weldon, N. C.....	129	40	36.0	17	8.8	18, 31	18.9	27.3
Kansas City, Mo.....	388	21	16.7	6	10.2	25, 26	12.6	6.9	Fayetteville, N. C.....	Edisto River.....	112	38	41.5	18	3.8	7	14.0	37.7
Boonville, Mo.....	199	20	18.4	1	7.9	31	10.5	5.5	Edisto, S. C.....	Pedee River.....	75	6	4.0	1, 3	2.7	18-19	3.1	1.8
Hermann, Mo.....	108	24	12.4	1	6.8	28, 29	9.1	5.6	Cheraw, S. C.....	Black River.....	149	27	35.9	17	3.3	81	9.7	22.6
<i>Illinoian River.</i>									Kingstree, S. C.....	Lynch Creek.....	60	18	9.2	1	3.7	21	5.8	5.5
Peoria, Ill.....	135	14	6.6	4-9	5.5	26-28	6.2	1.1	Effingham, S. C.....	Santee River.....	35	12	8.6	24	4.0	9-18	6.0	4.6
<i>Youghiogheny River.</i>									St. Stephens, S. C.....	Congaree River.....	50	12	9.5	6	7.3	18-21, 31	7.9	2.2
Confluence, Pa.....	59	10	1.8	19	0.8	11, 30, 31	1.2	1.0	Columbia, S. C.....	Wateree River.....	37	15	4.2	20	0.5	27	1.7	3.7
West Newton, Pa.....	15	23	1.7	18, 19	0.8	14, 15, 28	0.6	1.4	Camden, S. C.....	Waccamaw River.....	45	24	20.0	10	5.5	31	11.3	14.5
<i>Allegheny River.</i>									Conway, S. C.....	Savannah River.....	40	7	8.7	20, 30	8.7	12	5.5	5.0
Warren, Pa.....	177	14	0.9	1	0.2	23-26, 28-30	0.4	0.7	Calhoun Falls, S. C.....	Calhoun Falls, S. C.....	347	32	4.0	1	2.7	24, 25	3.2	1.3
Oil City, Pa.....	128	13	1.4	1, 2	0.6	17, 18	1.0	1.6	Augusta, Ga.....	Broad River.....	268	32	12.9	21	7.5	26	9.8	5.4
Parker, Pa.....	73	20	1.7	6, 7	0.7	25-27	1.1	1.0	Carlton, Ga.....	Flint River.....	30	.....	6.3	20	2.4	18, 14	8.0	3.9
<i>Monongahela River.</i>									Albany, Ga.....	Chattahoochee River.....	80	20	4.8	9	0.9	31	2.8	3.9
Weston, W. Va.....	161	18	1.4	7	-0.4	16, 28-31	-0.1	1.8	Westpoint, Ga.....	Ocmulgee River.....	239	20	6.6	17	2.6	15, 27, 28	3.7	3.8
Fairmont, W. Va.....	119	25	2.8	1	0.2	31	1.3	2.6	Macon, Ga.....	Coosa River.....	135	20	15.4	20	2.5	15, 27	4.0	12.9
Greensboro, Pa.....	81	18	10.1	17	6.4	30, 31	7.4	3.7	Dublin, Ga.....	Oconee River.....	79	30	7.6	23	1.4	28	3.4	6.2
Lock No. 4, Pa.....	40	23	10.1	18	5.7	26	6.8	4.4	Rome, Ga.....	Coosa River.....	271	30	5.5	18	1.6	31	2.6	3.9
<i>Conemaugh River.</i>									Gadsden, Ala.....	Alabama River.....	144	18	4.0	20	1.0	80, 31	2.1	3.0
Johnstown, Pa.....	64	7	2.5	2	1.4	29-31	1.8	1.1	Montgomery, Ala.....	Tomigbee River.....	265	35	5.5	19	2.0	16	3.9	3.5
<i>Red Bank Creek.</i>									Seims, Ala.....	Tuscaloosa, Ala.....	212	35	7.8	20	1.0	1	4.6	6.3
Brookville, Pa.....	35	8	0.2	1-9	-0.5	15-31	-0.2	0.7	Brazos River.....	Brazos, Tex.....	129	43	7.8	21	0.4	17	2.3	6.0
<i>Beaver River.</i>									Kopperl, Tex.....	480	21	0.2	1	-0.2	4-31	-0.2	0.4	
Ellwood Junction, Pa.....	10	14	4.0	4, 5	1.9	26-31	2.8	2.1	Waco, Tex.....	301	22	1.5	1	0.5	10-31	0.7	1.0	
<i>Great Kanawha River.</i>									Booth, Tex.....	76	39	1.5	1	0.2	27, 28, 31	0.7	1.3	
Charleston, W. Va.....	58	30	8.7	16	4.5	25	6.6	4.2	<i>Red River of the North.</i>	Moorhead, Minn.....	418	.....	9.1	9	7.8	24-26	8.8	1.8
<i>Little Kanawha River.</i>									Columbia River.....	Umatilla, Oreg.....	270	25	15.3	1	11.8	31	18.6	3.5
Glenville, W. Va.....	103	20	3.8	7	-1.8	31	1.0	5.6	The Dalles, Oreg.....	Willamette River.....	166	40	25.5	1	18.2	31	21.5	7.8
<i>New River.</i>									Albany, Oreg.....	Albany, Oreg.....	119	20	1.9	1-8	1.8	26-31	1.6	0.6
<i>Cheat River.</i>									Portland, Oreg.....	Portland, Oreg.....	12	15	18.5	1	9.2	28-30	11.1	4.3
Rowlesburg, W. Va.....	36	14	5.0	17	1.0	31	2.7	4.0	<i>Sacramento River.</i>	Red Bluff, Cal.....	265	23	0.5	1-4	-0.1	31	0.2	0.6
Pittsburg, Pa.....	966	22	7.6	18	0.6	15	3.8	7.0	Sacramento, Cal.....	Sacramento, Cal.....	64	29	12.3	1	8.5	31	10.1	3.8
Davis Island Dam, Pa.....	960	23	5.8	1	2.4	30	3.8	3.4										
Wheeling, W. Va.....	875	36	7.9	1	2.2	31	4.4	5.7										
Parkersburg, W. Va.....	785	36	7.6	2	2.8	31	5.6	4.8										
Point Pleasant, W. Va.....	708	39	12.6	1	2.8	30	6.9	9.8										
Huntington, W. Va.....	660	50	16.7	1	5.3	29, 30	10.4	11.4										
Catlettsburg, Ky.....	651	50	16.5	1	2.5	30, 31	9.8	14.0										
Portsmouth, Ohio.....	619	50	18.0	1	5.1	31	10.9	12.9										
Cincinnati, Ohio.....	499	50	23.8	1	7.4	31	13.1	16.4										
Madison, Ind.....	413	46	22.9	1	7.8	31	12.0	15.1										
Louisville, Ky.....	367	28	10.1	1	4.8	31	6.4	5.3										
Evansville, Ind.....	184	35	25.8	1	6.7	29	11.2	19.1	</td									

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